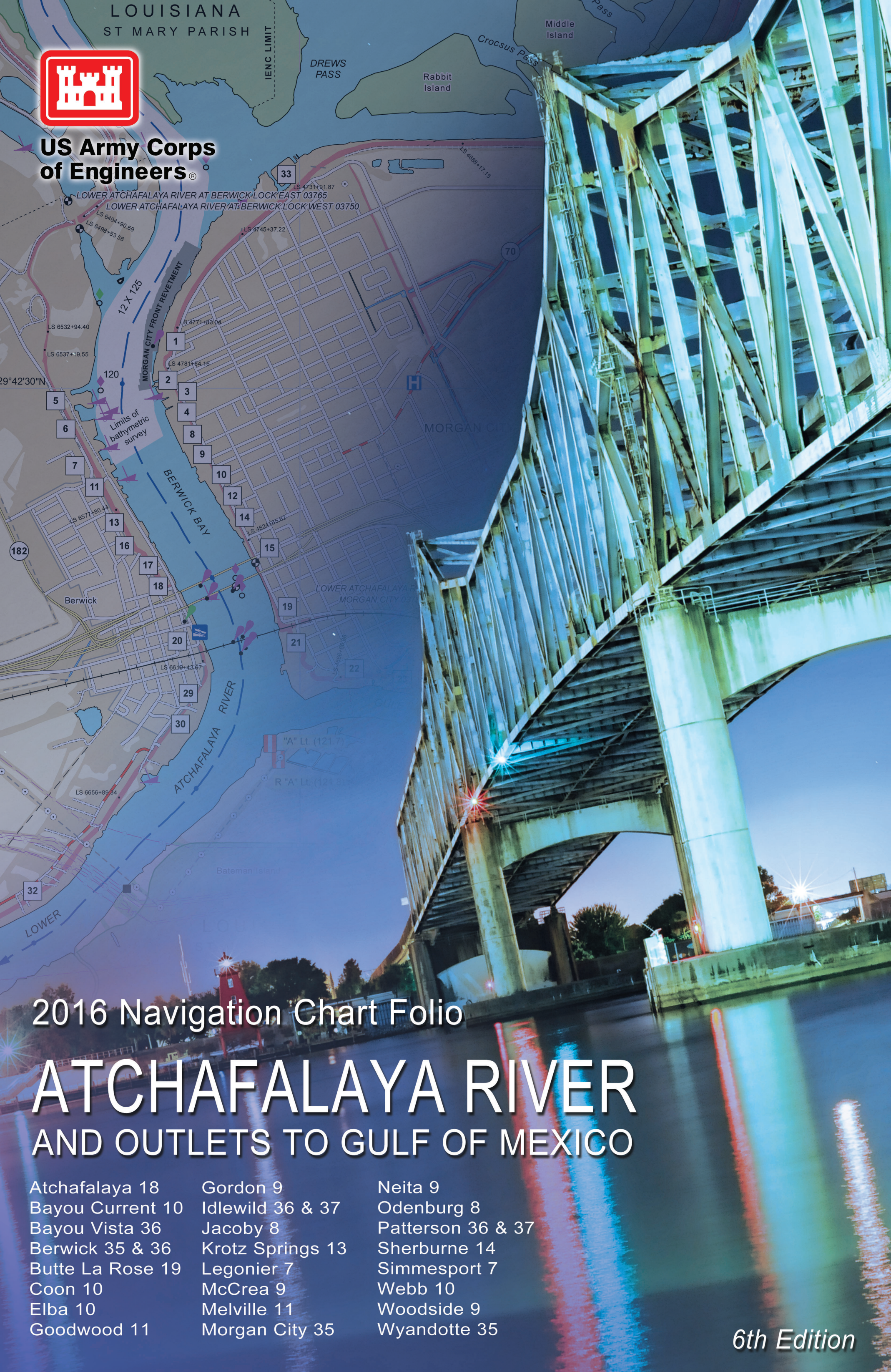




**US Army Corps
of Engineers®**



2016 Navigation Chart Folio

ATCHAFALAYA RIVER AND OUTLETS TO GULF OF MEXICO

| | | |
|------------------|------------------|-------------------|
| Atchafalaya 18 | Gordon 9 | Neita 9 |
| Bayou Current 10 | Idlewild 36 & 37 | Odenburg 8 |
| Bayou Vista 36 | Jacoby 8 | Patterson 36 & 37 |
| Berwick 35 & 36 | Krotz Springs 13 | Sherburne 14 |
| Butte La Rose 19 | Legonier 7 | Simmesport 7 |
| Coon 10 | McCrea 9 | Webb 10 |
| Elba 10 | Melville 11 | Woodside 9 |
| Goodwood 11 | Morgan City 35 | Wyandotte 35 |

6th Edition

**2016 Atchafalaya River
Navigation and Flood Control Book
7th Edition**

**Prepared and produced under the direction of the
U.S. ARMY CORPS OF ENGINEERS**

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New Orleans, LA 70118
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This 2016 Navigational Book has been designed to promote safe navigation from the Red River (Louisiana) to the Gulf of Mexico. The U.S. Army Corps of Engineers encourages users to submit corrections, additions, or comments for improving this chart to the Geospatial Coordinator, New Orleans District, 7400 Leake Avenue, New Orleans, LA 70118.

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| Bayou Vista | 36 |
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| Idlewild | 36 & 37 |
| Jacoby | 8 |
| Krotz Springs | 13 |
| Legonier | 7 |
| McCrea | 9 |
| Melville | 11 |
| Morgan City | 35 |
| Neita | 9 |
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2016 Atchafalaya River Navigation and Flood Control Book

The 2016 Navigation Book has been designed to promote safe navigation for vessels on the Atchafalaya River from the Red River, LA to the Gulf of Mexico.

The U.S. Army Corps of Engineers encourages mariners and other users to submit corrections, additions or comments for improving chart folio to the Corps of Engineers – New Orleans District.

HORIZONTAL DATUM

The horizontal reference datum of this chart in North American Datum of 1983 (NAD 83) which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84).

Users may plot positions obtained from satellite navigation systems such as Global Position System (GPS) coordinate directly on these chart pages.

North American Datum 1983 graticule is indicated by lines, labeled with degree, minute, second, and hemisphere.

NOTES

For abbreviations and symbols, refer to the NOAA/NGA Chart No. 1 publications: <http://www.nauticalcharts.noaa.gov/mcd/chartno1.htm>

This Navigation Chart Book has been corrected through the Local Notice to Mariners published weekly by the U.S. Coast Guard, as of May 1, 2016. Mariners should update this product to ensure current navigation information is portrayed.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List for details.

The represented survey information is accurate as of the date of publication or referenced date of source data. Hydrographic survey data is subject to change rapidly due to several factors including but not limited to dredging activity and natural shoaling and scouring processes. The U.S. Army Corps of Engineers accepts no responsibility for changes in the hydrographic conditions which develop after the date of publication.

CAUTIONS

Mariners are warned that logs and other floating debris are constant danger to navigation.

Small craft operators are warned beware of severe water turbulence caused by larger vessels traversing narrow channels.

Night travel by small craft is not recommended because of the hazard of floating obstructions.

Uncharted submarine pipelines and submarine cables may exist within the charted areas.

Not all submarine cables and pipelines are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their drafts in areas where pipelines and cables may exist, and when anchoring, dredging, or trawling.

AIDS TO NAVIGATION

Aid to Navigation – The term Aid to Navigation means any device external to a vessel intended to assist a navigator to determine position or safe course, or to warn of dangers or obstructions to navigation.

ANT Morgan City
Port of Morgan City
800 Youngs Road
Morgan City, LA 70381
(985) 384-7000

ATCHAFALAYA RIVER LOW WATER BUOYS

Due to frequently changing river stages and river currents, which often necessitate the repositioning, discontinuance, and establishment of floating aids to navigation, many low water buoys maintained by the U.S. Coast Guard are not shown in this Navigation Book. Consult Local Notice to Mariners for the latest river condition.

Aids to navigation marking the Intracoastal Waterway exhibit unique yellow symbols to distinguish them from aids marking other waterways.

When following the Intracoastal Waterway westward from Carrabelle, FL to Brownsville, TX, aids with yellow triangles should be kept on the starboard side of the vessel and aids with yellow squares should be kept on the port side of the vessel. A horizontal band provides no lateral information, but simply identifies aids to navigation as marking the Intracoastal Waterway.

LOCK INFORMATION

See Code of Federal Regulations, Title 33 Navigation and Navigable Waters, Chapter II – Corps of Engineers, Department of the Army for locking information:
http://www.access.gpo.gov/nara/cfr/waisidx_99/33cfr207_99.html

Daily updates of locking information, closures, anticipated queue times, number of tows waiting, and special instruction may be obtained at: <http://www.mvn.usace.army.mil/od/lockupdates/statusindex.asp>

Lock Contacts and Information

| Lock | Mile | VHF | Office Phone | After Hours | Length x Width |
|------------------------------|-------|-----|----------------|----------------|----------------|
| Algiers Lock | 88.0 | 14 | (504) 394-5714 | (504) 394-7221 | 760' x 75' |
| Empire Lock | 29.5 | - | - | - | 200' x 40' |
| Harvey Lock | 98.3 | 14 | (504) 366-4683 | (504) 366-5187 | 425' x 75' |
| Inner Harbor Navigation Lock | 92.6 | 14 | (504) 945-2157 | (504) 947-2606 | 640' x 75' |
| Ostrica Lock | 25.7 | - | - | - | 250' x 40' |
| Old River Lock | 304.0 | 14 | (225) 492-3333 | (225) 492-2301 | 1200' x 75' |
| Port Allen Lock | 228.5 | 14 | (225) 343-3752 | (225) 344-8272 | 1202' x 75' |

BUOYS

Buoy positions as shown on the maps are approximate. Green can buoys mark the right-hand side of the channel and red nun buoys mark the left-hand side of the channel as observed from downstream. Buoys should be given a wide berth by Navigator when attempting to pass them. Buoys are moored to a sinker by a cable. The length of cables vary, and in some cases being several times the depth of the water which allows them to swing or yaw about under the influence of the current or drifted snagged on the cable. Also buoys are liable to be shifted out of position resulting from high water, drift, or other accidental causes.

Consult the U.S. Coast Guard Light List and Local Notice to Mariners for additional information.

BRIDGES

Bridges are lighted for night time navigational safety. Piers display the warning red light while navigable channel spans are marked with a green light.

NAVIGATION NOTES

The Prudent Mariner shall not rely solely on any single aid to navigation, particularly on floating aids. See the U.S. Coast Guard Light List for details.

Mariners should be cautioned that all aids to navigation depicted on charts comprise a system of fixed and floating aids with varying degrees of reliability.

The U.S. Coast Guard is responsible for placing and maintaining all aids to navigation. Buoys are set to mark project depths taking into consideration the prevailing river stages and obstructions, as well as the rise or fall of the predicted river conditions. Buoy positions as shown on the chart are "Position Approximate" (PA) locations.

Aids to Navigation may be carried off position by high water, accumulation of drift debris, ice, or sunk by collision or other causes. When carried off position, destroyed or removed to prevent loss, buoys are replaced at the earliest opportunity by the U.S. Coast Guard.

Buoys should always be given as wide a berth as possible when passing consistent with the length and width of vessel or tow and the width of the river bend or crossing. A buoy should never be scraped, hit, or run over by a vessel. If this occurs the mariner is required to report it to the Coast Guard, 46 CFR 26.08-20.

MARINE INFORMATION

The Eighth Coast Guard District is continuously alert for circumstances, which affect safe and efficient passage of river traffic. The Aids to Navigation Office in New Orleans receives reports from mariners and government agencies and distributes information to mariners through various marine information channels.

The four primary means of passing marine information in the Eighth Coast Guard District:

- Broadcast Notice to Mariners
- Local Notice to Mariners
- Channel Reports
- Directly from Lockmaster

There are four basic marine information publications printed by either the Coast Guard or U.S. Army Corps of Engineers which should be on all vessels:

- Corps of Engineers Navigation Charts
- Navigation Rules, International-Inland
- Light List, Volume V, Mississippi River System and Volume IV, Gulf of Mexico
- Corps of Engineers Regulations (Bluebook) 33 CFR 207

HOW TO OBTAIN LOCAL NOTICE TO MARINERS

Local Notice to Mariners may be obtained by:

- 1. One-way e-mail service, via subscription through the U.S. Coast Guard Navigation Center website, Local Notice to Mariners link at: <http://www.navcen.uscg.gov>.
- 2. Or Downloaded from the U.S. Coast Guard Navigation Center website, Local Notice to Mariners link at: <http://www.navcen.uscg.gov>.

The U.S. Coast Guard offices may be contacted at:

Commander, (DPW)
Eighth Coast Guard District
Hale Boggs Federal Building
500 Poydras Street
New Orleans, LA 70130-3396
(504) 671-2107

MSU Morgan City
800 David Drive
Room 232
Morgan City, LA 70380
Primary Phone: (985) 380-5320
Emergency Phone: (985) 380-5320

Mariners may contact the U.S. Coast Guard Command Center, 24-hours a day at (504) 589-6225.

In case of emergency or accident, contact the appropriate Coast Guard sector office:

- 1. Sector Upper Mississippi River, (314) 269-2500
- 2. Sector Lower Mississippi River, (866) 777-2784
- 3. Sector Ohio Valley, (800) 253-7465
- 4. U.S. Coast Guard Command Center, 24-hours a day, at (504) 589-6225
- 5. National Command Center (800) DAD-SAFE or (202) 372-2100

AIDS TO NAVIGATION

Aid to Navigation – The term Aid to Navigation means any device external to a vessel intended to assist a navigator to determine position or safe course, or to warn of dangers or obstructions to navigation.

ANT Morgan City
Port of Morgan City
800 Youngs Road
Morgan City, La 70381
(985) 384-7000

DGPS FREQUENCIES

The U.S. Coast Guard Navigation Center (NAVCEN) operates the Coast Guard Maritime Differential Global Positioning System (DGPS) Service and the developing Nationwide DGPS Service, consisting of two control centers and over 60 remote broadcast sites. The Service broadcasts correction signals on marine radio beacon frequencies to improve the accuracy of and integrity to PGS-derived positions. The Coast Guard DGPS Service provides 10-meter accuracy in all established coverage areas.

English Turn, LA
Site Name ENGLISH TURN, LA
Antenna Location 29-52.7N, 89-56.5W
Transmit Frequency (KHz) 293
Transmit Rate (bps) 200
Signal Strength 100uV/m at 315 NM

BoBo, MS
Site Name BOBO, MS
Antenna Location 34-6.9N, 90-41.47W
Transmit Frequency (KHz) 297
Transmit Rate (bps) 200
Signal Strength 100uV/m at 255km

St. Louis, MO
Site Name ST LOUIS, MO
Antenna Location 38-36.68N, 89-45.52W
Transmit Frequency (KHz) 322
Transmit Rate (bps) 200
Signal Strength 100uV/m at 184 SM

Additional information may be obtained from the U.S. Coast Guard Navigation Center website, <http://www.navcen.uscg.gov>.

HYDROGRAPHIC FEATURES

Sailing Line – The Sailing Line shown is an approximate representation of the track a bound vessel would follow during a low river stage equal to the Low Water Reference Plane water level.

Mean Low Low Water – (MLLW) The tidal datum that is the average of the lowest low water height of each tidal day observed over the National Tidal datum Epoch, 19-years metonic cycle.

Channel Condition Reports and Surveys

In all cases mariners are advised to consult with pilots, local, State, or Federal authorities for the latest channel controlling depths. The controlling depths are shown on these charts and published in the appropriate Local Notice to Mariner. Current channel conditions for high shoal areas from hydrographic surveys and posted to: <http://www.mvn.usace.army.mil/ChannelSurveys>.

Submarine Cables and Submerged Pipelines

Submarine Cables and Submerged Pipelines cross many of the navigable waterways used by both large and small vessels. Normally warning signs are posted on the banks where submerged cables or a pipeline exists to warn mariners of their existence; in some areas warning signs are not always present.

CHART PAGE DESCRIPTIONS

COURSES – These are true and given in degrees clockwise from 000° (north) to 359°. Courses given are courses to be made good.

Bridges and Cables

Vertical Clearances for Bridges are in feet above the appropriate reference gage zero reading. To obtain actual bridge clearances the mariner must subtract the appropriate gage river stage reading from the bridge clearance given.

Vertical Clearances for Overhead cables are in feet above the appropriate river gage mean high water readings; they may be as-built (verified by actual inspection after completion of structure), laser-range surveyed or authorized (design values specified in permit issued prior to construction). No differentiation is made in this Navigation Book between as-built, re-surveyed, or authorized clearances.

Vertical Clearances for drawbridges and lift bridges are for the closed position and the open position as referenced to the appropriate river or tide gage as listed.

Vessels with masts, stacks, booms, or antennas should allow sufficient clearance under power cables to avoid arcing.

Horizontal clearances for all bridges are in feet, as measured from the narrowest features. Mariners should use caution when navigating within these restricted areas.

Obstructions

Wrecks and other obstructions are mentioned only if of a relatively permanent nature and in or near normal traffic routes.

Blue Tint on Water Areas

A darker blue tint is shown on pages in this Navigation Book to represent areas of less than Project Depth. The lighter blue areas represents depths of project depth or greater.

Depth is the vertical distance from the chart datum to the bottom and is expressed in feet.

The project channel of 12’ x 125’, from Old River to Avoca Island Cutoff to Atchafalaya Bay, is referenced to Mean Low Gulf (1976 EPOCH).

U.S. Buoyage Systems – Aids to Navigation

Aids to navigation depicted on charts comprise a system of fixed and floating aids with varying degrees of reliability. Therefore, prudent mariners will not rely solely on any single aid to navigation, particularly a floating aid, consult the latest Light List or the Coast Guard Navigation Center website at: <http://www.navcen.uscg.gov>.

The Mariner is also cautioned that buoys may be missing or off station as the result of high water, ice, or other natural causes, collisions, allisions, or other accidents.

Therefore, a prudent mariner must not rely completely upon the position or operation of floating aids to navigation, but will also utilize bearings from fixed objects and aids to navigation on shore. Furthermore, a vessel attempting to pass close aboard always risks collision with a yawing buoy or with the obstruction that the buoy marks.

The U.S. Coast Guard Light List Volume V, Mississippi River System and Light List Volume IV, Gulf of Mexico, should be consulted for determination between Federally maintained Aids to Navigation and Private Aids to Navigation.

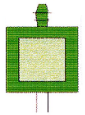
Chart Symbols

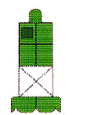
U.S. Aids to Navigation System on the Western River System (See Index 7, U.S. Bouyage System – Aids to Navigation for more information)


PORT SIDE
OR RIGHT DESCENDING BANK


GREEN OR WHITE LIGHTS


FLASHING ISO


LIGHT

LIGHTED BUOY

CAN

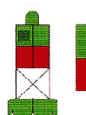
PASSING DAYBEACON

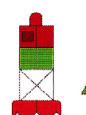
CROSSING DAYBEACON

176.9
MILE BOARD


PREFERRED CHANNEL
MARK JUNCTIONS AND OBSTRUCTIONS
COMPOSITE GROUP FLASHING (2+1)


PREFERRED CHANNEL
TO STARBOARD
TOPMOST BAND GREEN
FI (2+1) G


JG

JR


PREFERRED CHANNEL
TO PORT
TOPMOST BAND RED
FI (2+1) R


LIGHT

LIGHTED BUOY

NUN


MAY BE LIGHTED

TR

CNR


PASSING DAYBEACON

CROSSING DAYBEACON


123.5
MILE BOARD

DAYBOARDS HAVING NO LATERAL SIGNIFICANCE


MAY BE LETTERED


NB

WHITE LIGHT ONLY

A

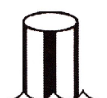
STATE WATERS

3

2

INLAND (STATE) WATERS OBSTRUCTION MARK

MAY SHOW WHITE REFLECTOR OR QUICK FLASHING WHITE LIGHT

BLACK - STRIPED
WHI - RUBY

Used to indicate an obstruction to navigation, extends from the nearest shore to the buoy. This means "do not pass between the buoy and the nearest shore." This aid is replacing the red and white striped buoy within the USWMS, but cannot be used until all red and white striped buoys on a waterway have been replaced.

U.S. Aids to Navigation System on navigable water except Western River System (See Index 7, U.S. Bouyage System Aids to Navigation)

PORT SIDE
ODD NUMBERED AIDS

GREEN LIGHT ONLY


FLASHING (2)


FLASHING


OCCULTING


QUICK FLASHING

ISO

1

9

CAN

5

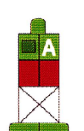
DAYBEACON


PREFERRED CHANNEL
NO NUMBERS - MAY BE LETTERED

PREFERRED CHANNEL TO STARBOARD
TOPMOST BAND GREEN

GREEN LIGHT ONLY

COMPOSITE GROUP FLASHING (2+1)

A

S

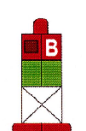
CAN


PREFERRED CHANNEL
NO NUMBERS - MAY BE LETTERED

PREFERRED CHANNEL TO PORT
TOPMOST BAND RED

RED LIGHT ONLY

COMPOSITE GROUP FLASHING (2+1)

B

C

NUN

STARBOARD SIDE
EVEN NUMBERED AIDS

RED LIGHT ONLY


FLASHING (2)

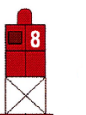
FLASHING


OCCULTING


QUICK FLASHING

ISO

2

8

NUN


6

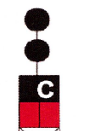
DAYBEACON

ISOLATED DANGER
NO NUMBERS - MAY BE LETTERED

WHITE LIGHT ONLY

FI (2) 5s

A

C

LIGHTED


UNLIGHTED


SAFE WATER
NO NUMBERS - MAY BE LETTERED

WHITE LIGHT ONLY

MORSE CODE

Mo (A)

A

B

MR

SPHERICAL

UNLIGHTED AND/OR SOUND

RANGE DAYBOARDS MAY BE LETTERED

KGW

KWG

KWB

KBW

KWR

KRW

KRB

KBR

KGB

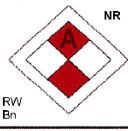
KBG

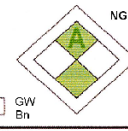
KGR

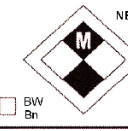
KRG

DAYBOARDS - MAY BE LETTERED

WHITE LIGHTS ONLY

NR

NG

NB

RW Bn


GW Bn

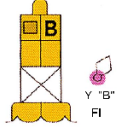
BW Bn

SPECIAL MARKS - MAY BE LETTERED

YELLOW LIGHT ONLY

FIXED FLASHING

A

B

UNLIGHTED


LIGHTED


Aids to Navigation marking the Intracoastal Waterway (ICW) display unique yellow symbols to distinguish them from aids marking other waters. Yellow triangles indicate aids should be passed by keeping them on the starboard (right) hand of the vessel. Yellow squares indicate aids should be passed by keeping them on the port (left) hand of the vessel. A yellow horizontal band provides no lateral information, but simply identifies aids as marking the ICW.

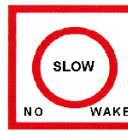
TYPICAL INFORMATION AND REGULATORY MARKS

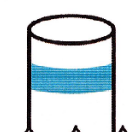
INFORMATION AND REGULATORY MARKERS

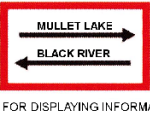
WHEN LIGHTED, INFORMATION AND REGULATORY MARKS MAY DISPLAY ANY WHITE LIGHT RHYTHM EXCEPT QUICK FLASHING, Mo(A), AND FLASHING (2)


SWIM AREA


ROCK

CONTROLLED AREA

MOORING BUOY
WHITE WITH BLUE BAND
MAY SHOW WHITE REFLECTOR OR LIGHT

MULLET LAKE
BLACK RIVER
FOR DISPLAYING INFORMATION SUCH AS DIRECTIONS, DISTANCES, LOCATIONS, ETC.

BUOY USED TO DISPLAY REGULATORY MARKERS

5
Mph
MAY SHOW WHITE LIGHT
MAY BE LETTERED

2016
UPDATED: Jul 2016

Index V

Western Rivers System of Buoyage

The Western Rivers System – a variation of the standard U.S. Aids to Navigation System is employed on the Mississippi River and its tributaries above Baton Rouge, LA and on certain rivers which flow toward the Gulf of Mexico. The Western Rivers System varies from standard U.S. system, as follows:

1.

Aids to navigation are not numbered.
2.

Numbers on aids to navigation do not have lateral significance, but rather indicate mileage from a fixed point (normally a river mouth or confluence).
3.

Diamond shaped crossing dayboards, red and white or green and white as appropriate are used to indicate where the river channel crosses from one bank to another.
4.

Lights on the green aids to navigation show a single-flash characteristic, which may be green or white.
5.

Lights on the red aids to navigation show a group-flash characteristic, which may be red or white.
6.

Isolated Danger marks are not used.

U.S. Standard Aids to Navigation System of Buoyage

The waters of the United States and its territories are marked to assist navigation by the U.S. Aids to Navigation System. This system encompasses buoys and beacons conforming to the International Association of Lighthouse Authorities (IALA) buoyage guidelines and in the IALA Region B (IALA B) and follow the traditional 3R rule; Red, Right Returning from sea. For more information on aids to navigation access the U.S. Coast Guard Navigation Center website at: <http://www.navcen.uscg.gov>.

COMMUNICATIONS

Atchafalaya River VHF-FM Communication channels:

| Channel Number | Unit/Usage | Phone |
|----------------|--|----------------|
| 11 | VTS Berwick Bay | (985) 380-5370 |
| 22A | MSO Morgan City, USCG Liaison and Maritime Safety Information Broadcasts. Broadcasts are announced on channel 16. | (985) 380-5320 |
| 12 | Berwick Lock | (985) 384-7697 |
| 14 | Bayou Boeuf Lock. Most locks monitor and work this channel. | (985) 384-7202 |
| 13 | Bayou Boeuf RR Bridge | (985) 631-2476 |
| 24 & 26 | Marine Operator | |
| 16 | International Distress, Safety and Calling Channel. Ships required to carry radio, the USCG, and most coast stations maintain a listening watch on this channel. | (504) 942-3006 |

Channel 11 should be monitored by vessels transitioning in this locality to ensure being altered to all traffic movements in the area.

Maritime Safety Information Broadcasts

The U.S. Coast Guard and other government agencies broadcast different kinds of maritime safety warnings, using a variety of different radio systems to ensure coverage of different ocean areas for which the United States has responsibility, and ensure all ships of every size and nationality can receive this safety information. All broadcasts except those over VHF and MF radiotelephone are made by computers.

Coastal Safety Information Broadcasts

VHF Marine Radio Broadcasts. Urgent Marine navigational and weather information is broadcast over VHF channel 22A (157.1 MHZ) from over 200 sites covering the coastal areas of the U.S., including the Great Lakes, major inland waterways, Puerto Rico, Alaska, Hawaii, and Guam. Broadcasts are first announced over the distress, safety, and calling channel 16 before they are made. All ships in U.S. waters over 20m in length are required to monitor VHF channel 16, and must have radios capable of tuning to the VHF simplex channel 22A.

Vessel Traffic Services

The purpose of the Vessel Traffic Service (VTS) is to provide active monitoring and navigational advice for vessels in particularly confined and busy waterways. The Berwick Bay VTS encompasses the navigable waters of the following segments of waterways: the Intracoastal Waterway (ICW) Morgan City to Port Allen Alternate Route from Mile Marker 0 to Mile Marker 102 WHL; the Atchafalaya River Route from Mile Marker 94.5 WHL south one statute mile along Bayou Shaffer; and from Berwick Lock northwest one statute mile along the Lower Atchafalaya River. A Berwick Bay VTS Special Area consists of those waters within a 1000 yard radius of the Burlington Northern/Santa Fe Railroad Bridge located at Mile .03 MC/PA. 33CFR001.161.40 (2016)

U.S. Coast Guard National Distress System

National Distress System VHF site consists of a receiver guarding VHF Channel 16, the maritime distress, safety and calling channel, and a transceiver capable of operating on one of six fixed maritime channels. Two of these channels are always Channel 16 and 22A.

U.S. Marine VHR Channels

| Channel Number | Shop Transmit MHz | Ship Receive MHz | Usage |
|----------------|-------------------|------------------|--|
| 01A | 156.050 | 156.050 | Port Operations and Commercial, VTS. Available only in New Orleans/Lower Mississippi area. |
| 05A | 156.250 | 156.250 | Port Operations or VTS in the Houston, New Orleans and Seattle areas. |
| 06 | 156.300 | 156.300 | Intership Safety |
| 07A | 156.350 | 156.350 | Commercial |
| 08 | 156.400 | 156.400 | Commercial (Intership only) |
| 09 | 156.450 | 156.450 | Boater calling. Commercial and Non-Commercial |
| 10 | 156.500 | 156.500 | Commercial |
| 11 | 156.550 | 156.550 | Commercial. VTS in selected areas. |
| 12 | 156.600 | 156.600 | Port Perations. VTS in selected areas. |
| 13 | 156.650 | 156.650 | Intership Navigation Safety (Bridge-to-bridge) Ships > 20m length maintain a listening watch on this channel in US waters. |
| 14 | 156.700 | 156.700 | Port Operations. VTS in selected areas. |
| 15 | -- | 156.750 | Environmental (Recive only). Used by class C EPIRBs. |
| 16 | 156.800 | 156.800 | International Distress, Safety and Calling. Ships required to carry radio, USCG, and most coast stations maintain a listening watch on this channel. |
| 17 | 156.850 | 156.850 | State Control |
| 18A | 156.900 | 156.900 | Commercial |
| 19A | 156.950 | 156.950 | Commercial |
| 20 | 157.000 | 161.600 | Port Operations (duplex) |
| 20A | 157.000 | 157.000 | Port Operations |
| 21A | 157.050 | 157.050 | U.S. Coast Guard only |
| 22A | 157.100 | 157.100 | Coast Guard Liaison and Maritime Safety Information Broadcasts. Broadcasts announced on channel 16. |
| 23A | 157.150 | 157.150 | U.S. Coast Guard only |
| 24 | 157.200 | 161.800 | Public Correspondence (Marine Operator) |
| 25 | 157.250 | 161.850 | Public Correspondence (Marine Operator) |
| 26 | 157.300 | 161.900 | Public Correspondence (Marine Operator) |
| 27 | 157.350 | 161.950 | Public Correspondence (Marine Operator) |
| 28 | 157.400 | 162.000 | Public Correspondence (Marine Operator) |
| 63A | 156.175 | 156.175 | Port Operations and Commercial, VTS. Available only in New Orleans/Lower Mississippi area. |
| 65A | 156.275 | 156.275 | Port Operations |
| 66A | 156.325 | 156.325 | Port Operations |
| 67 | 156.375 | 156.375 | Commercial . Used for Bridge-to-bridge communications in lower Mississippi River. Intership only. |
| 68 | 156.425 | 156.425 | Non-Commercial |
| 69 | 156.475 | 156.475 | Non-Commercial |
| 70 | 156.525 | 156.525 | Digital Selective Calling (voice communications not allowed) |
| 71 | 156.575 | 156.575 | Non-Commercial |
| 72 | 156.625 | 156.625 | Non-Commercial (Intership only) |
| 73 | 156.675 | 156.675 | Port Operations |
| 74 | 156.725 | 156.725 | Port Operations |
| 77 | 156.875 | 156.875 | Port Operations (Intership only) |
| 78A | 156.925 | 156.925 | Non-Commercial |
| 79A | 156.975 | 156.975 | Commercial. Non-Commercial in Great Lakes only. |
| 80A | 157.025 | 157.025 | Commercial. Non-Commercial in Great Lakes only. |
| 81A | 157.075 | 157.075 | U.S. Government only - Environmental protection operations |
| 82A | 157.125 | 157.125 | U.S. Government only. |
| 83A | 157.175 | 157.175 | U.S. Coast Guard only |
| 84 | 157.225 | 161.825 | Public Correspondence (Marine Operator) |
| 85 | 157.275 | 161.875 | Public Correspondence (Marine Operator) |
| 86 | 157.325 | 161.925 | Public Correspondence (Marine Operator) |
| 86 | 157.325 | 161.925 | Public Correspondence (Marine Operator) |
| AIS 1 | 161.975 | 161.975 | Automatic Identification System (AIS) |
| AIS 2 | 162.025 | 162.025 | Automatic Identification System (AIS) |
| 88A | 157.425 | 157.425 | Commercial, Intership only. |

NOAA Weather Radio Frequencies

| Channel | Frequency (MHz) |
|---------|-----------------|
| WX1 | 162.550 |
| WX2 | 162.400 |
| WX3 | 162.475 |
| WX4 | 162.425 |
| WX5 | 162.450 |
| WX6 | 162.500 |
| WX7 | 162.525 |

ADDITIONAL U.S. ARMY CORPS OF ENGINEERS
NAVIGATIONAL PRODUCTS

Inland Electronic Navigational Charts

The U.S. Army Corps of Engineers produces Inland Electronic Navigational Charts (IENCs) for the Atchafalaya River (Miles 0 to 121).

These IENCs are created for use in Electronic Chart Systems (ECS) to position a vessel upon the electronic navigational chart display. Use of ECS in conjunction with IENCs does not eliminate the USCG paper chart carriage requirement. Until such guidance and policy is established, IENCs provide a valuable adjunct to this navigation book.

IENCs offer significant benefits to vessels including accurate and real-time display of vessel position relative to waterway features, voyage planning and monitoring tools, Automatic Identification Systems (AIS) integration, and training tools for new personnel and integrated display of river charts, radar, and AIS.

IENC chart products, services, and information are available for all covered river systems at: [http:// www.agc.army.mil/echarts](http://www.agc.army.mil/echarts)

IENC Maintenance

All Atchafalaya River IENCs are maintained with updates of new or corrected Local Notice to mariner information as it becomes available. IENCs are updated at least annually and monthly maintenance is currently underway.

Specialized IENCs

The U.S. Army Corps of Engineers has and can develop large-scale specialized IENCs to respond to unique or short-term navigational requirements within the Inland Waterways System. For unique IENC and/or other charting products contact the USACE at: <http://www.agc.army.mil/echarts>

Other Electronic Navigational Charts

The National Oceanic & Atmospheric Administration's (NOAA) Office of Coast Survey produces Electronic Navigational Charts (ENC) for the Mississippi River, Mile 236 to the Gulf of Mexico and associated side channels. NOAA ENCs are available the Navigation Chart site at:
<http://www.nauticalcharts.noaa.gov/>
<http://www.charts.noaa.gov/>

Ports and Waterways Facilities Data

The Navigation Data Center maintains a database (Master Docks Plus) of over 40,000 port-and-waterway facilities and other navigation points of interest. The data describe the physical and inter-modal (infrastructure) characteristics of the coastal, Great Lakes, and inland ports of the United States. Data are also included for facilities in Alaska, Hawaii, Puerto Rico, the U.S. Virgin Islands, and the trust territories of the Pacific. The data include, but are not limited to location (latitude/longitude, waterway, mile, and bank); operations (name, owner, operator, purpose, handling equipment, rates, and details of open-and-covered storage facilities); type and dimension of construction (length of berthing space for vessels and/or barges, depth, apron width, deck elevation, and details of rail-and-highway access); and utilities available (water, electricity, and fire protection).

The data are available in several formats.

The Complete Dock List spreadsheet contains a list of all facility types (dock, anchorage, mile point, etc) that may be reported as the origin or destination of commercial waterborne vessel moves. Attributes included in the list are the unique navigation-unit identifier, official name, facility type, latitude/longitude, United Nations Location Code, service initiation date, service termination date, port name, waterway name, and mile. Data included is for all facility types that were available for use during the previous two years.

The Port Facility spreadsheet is similar to the Complete Dock List but has an expanded list of attributes not including mile points. The additional attributes include a location description, street address, city, state, zip code, county, congressional district, owners, operators, highway-and-railway connections, commodities, type of construction, cargo-handling equipment, water depth alongside the facility, berthing space, and deck height. Data included is for all facility types (except mile points) that were available for use during the previous two years.

The Master Docks Plus Public Extract database is a Microsoft Access database that contains a complete extract of the Navigation Data Center's dock database with all data that may be released to the public.

The Port Boundary Data identifying port boundaries are extracted from Master Dock Plus and converted into a GIS layer called Port Boundary. This GIS layer is a kmz format shape file utilizing Google Earth Pro. The port boundary is represented by the geographic location of docks and other navigation points of interest. Each facility carries essential information like Longitude, Latitude, Port ID, Mile Point, Location Code, Dock Code, Waterway, Port Facility Type and Official Dock Name. Color coded icons are used to identify the facility locations for an individual port.

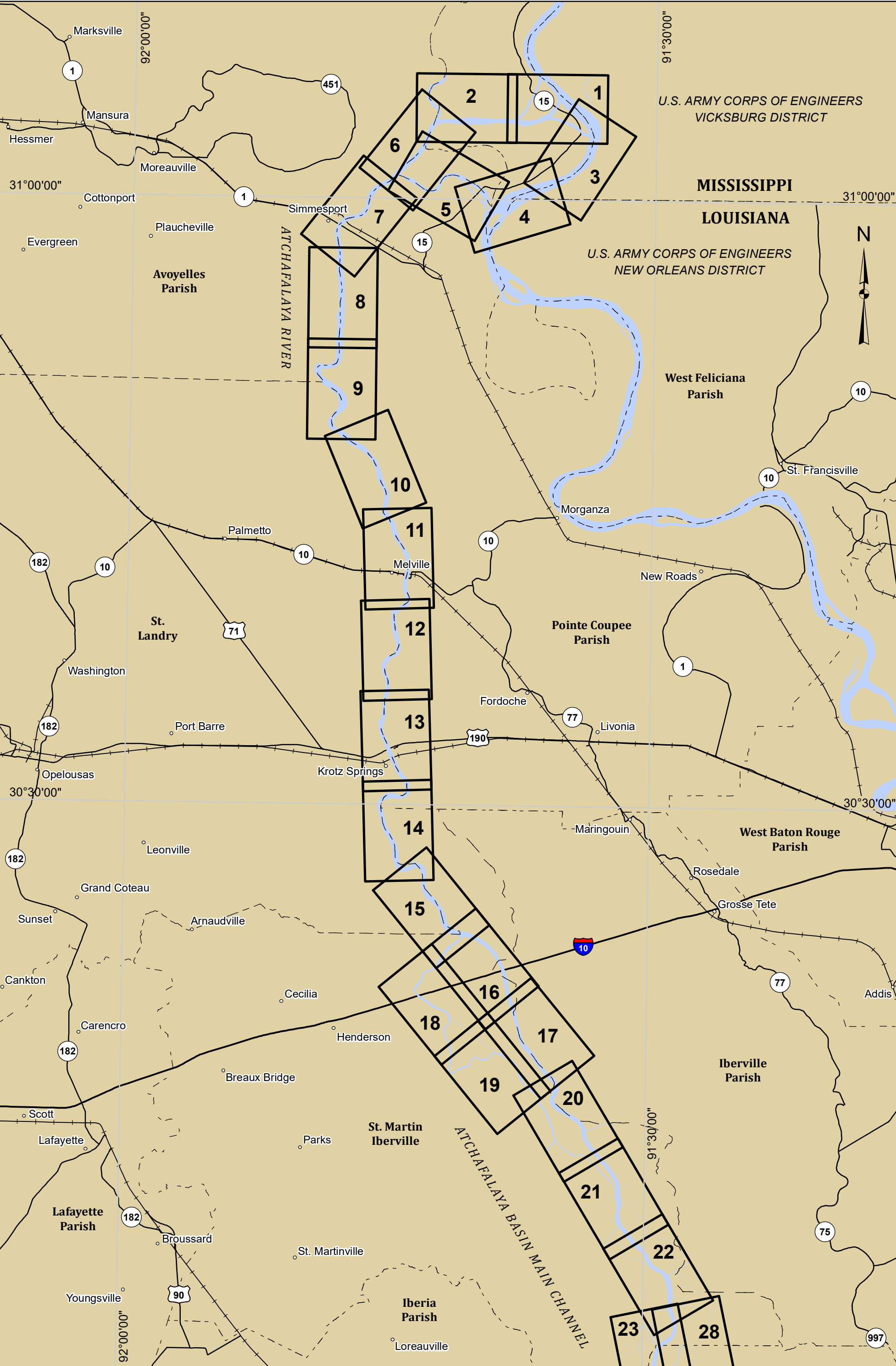
Waterborne Commerce Statistics Center

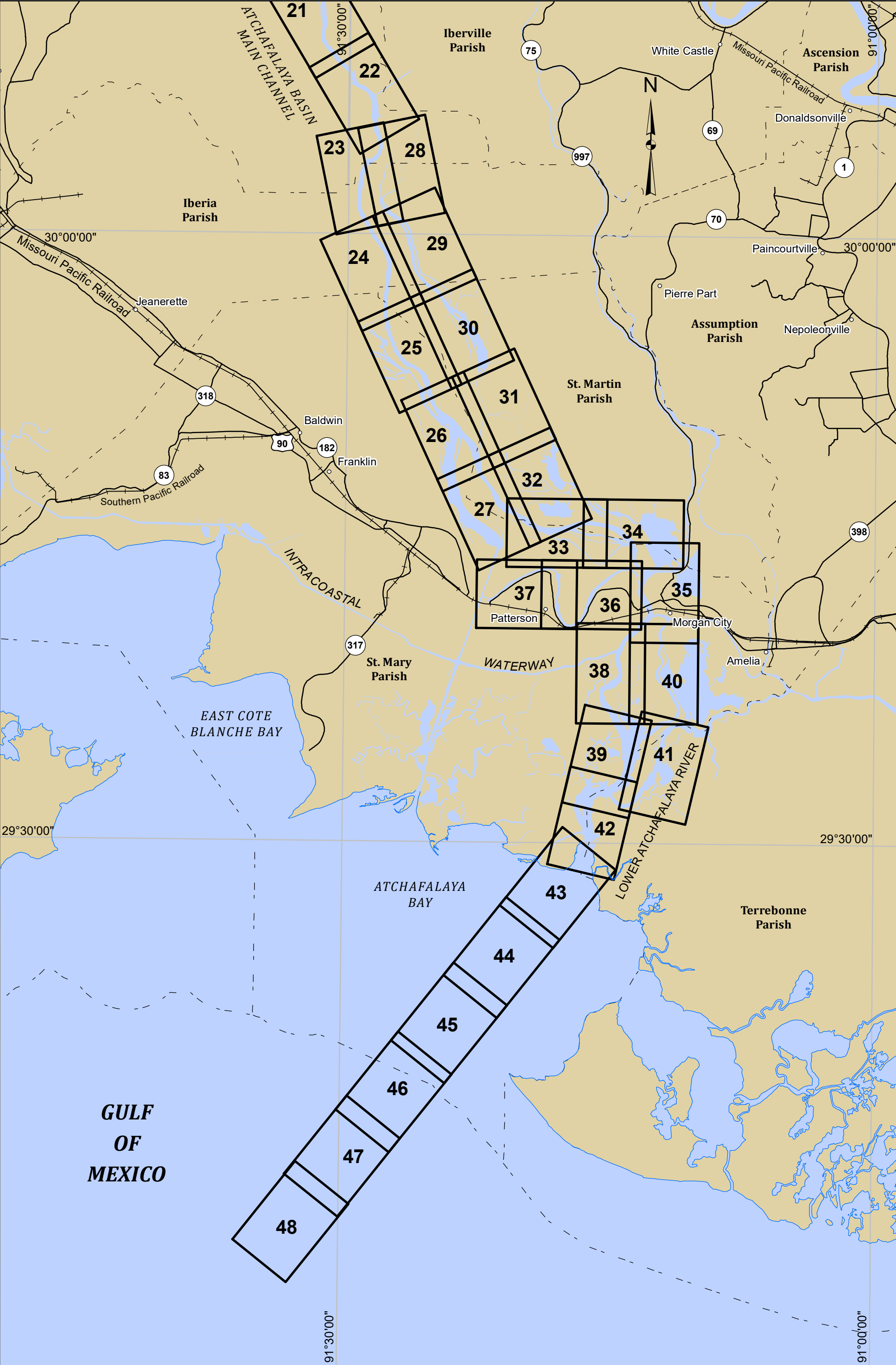
The U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center under the authority of the Rivers & Harbors Act of 1922, collects, processes, distributes, and archives vessel trip and cargo data. Under Federal Law, vessel operating companies must report domestic waterborne commercial movements to the Corps.

Data summaries include origin to destination information of foreign and domestic waterborne cargo movements by region and state, and also waterborne tonnage for principal ports, state, and territories. Internal waterway tonnage indicators are updated monthly on the NDC website. This acquired vessel movement data is primarily for Corps and other government agencies' use. However, summary statistics, which do not disclose movements of individual companies, are also released to private companies and the general public.

The Waterborne Commerce Statistics Center summarizes this data in the publication, *Waterborne Commerce of the United States*. It is issued in five parts (one to cover each coast and a national summary). A database that aggregates information of foreign and domestic waterborne cargo movements is available on CD. The publication *Transportation Lines of the United States* contains listings of domestic vessel operators, details their equipment, and references their service areas. Most data are available in both hard copy and electronic form. Specialized data processing requests are considered on a case-by-case basis. Products and services may be obtained by request to:

Waterborne Commerce Statistics Center (WCSC)
P.O. Box 61280
New Orleans, LA 70161-1280
(504) 862-1426 or (504) 862-1441
Email: CEIWR-NDCWCSC.WEBMASTER@usace.army.mil
<http://www.navigationdatacenter.us/wcsc/wcsc.htm>





LEGEND

NAVIGATION FEATURES

| | |
|-----------------------|--|
| Light | |
| Buoy | |
| Lighted Buoy | |
| Daybeacon | |
| Aid Label and Mileage | |
| Boat Ramp | |

TRANSPORTATION FEATURES

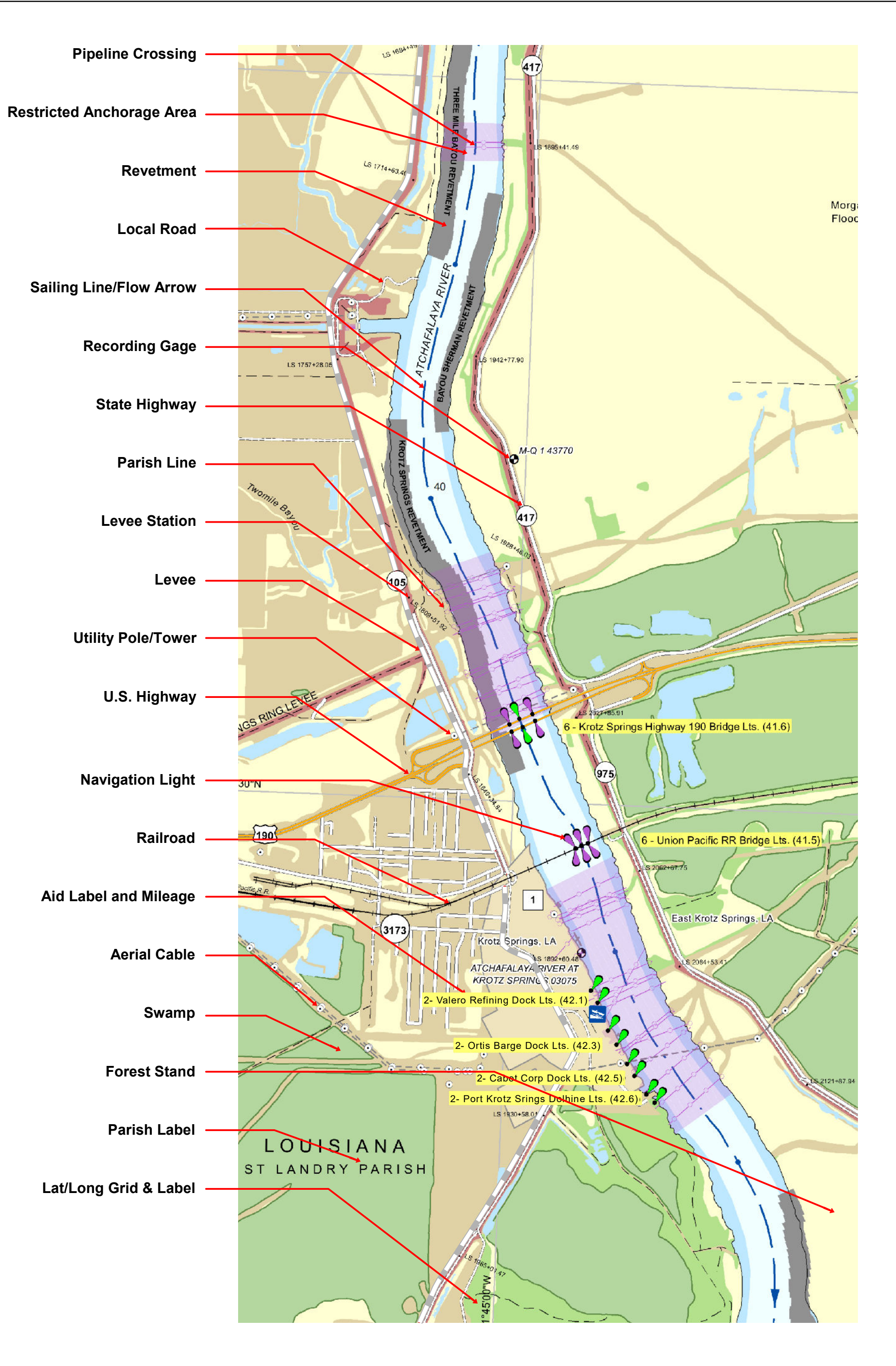
| | |
|--------------------|--|
| Interstate Highway | |
| US Highway | |
| State Highway | |
| Secondary Road | |
| Tertiary Road | |
| Local Road | |
| Railroad | |

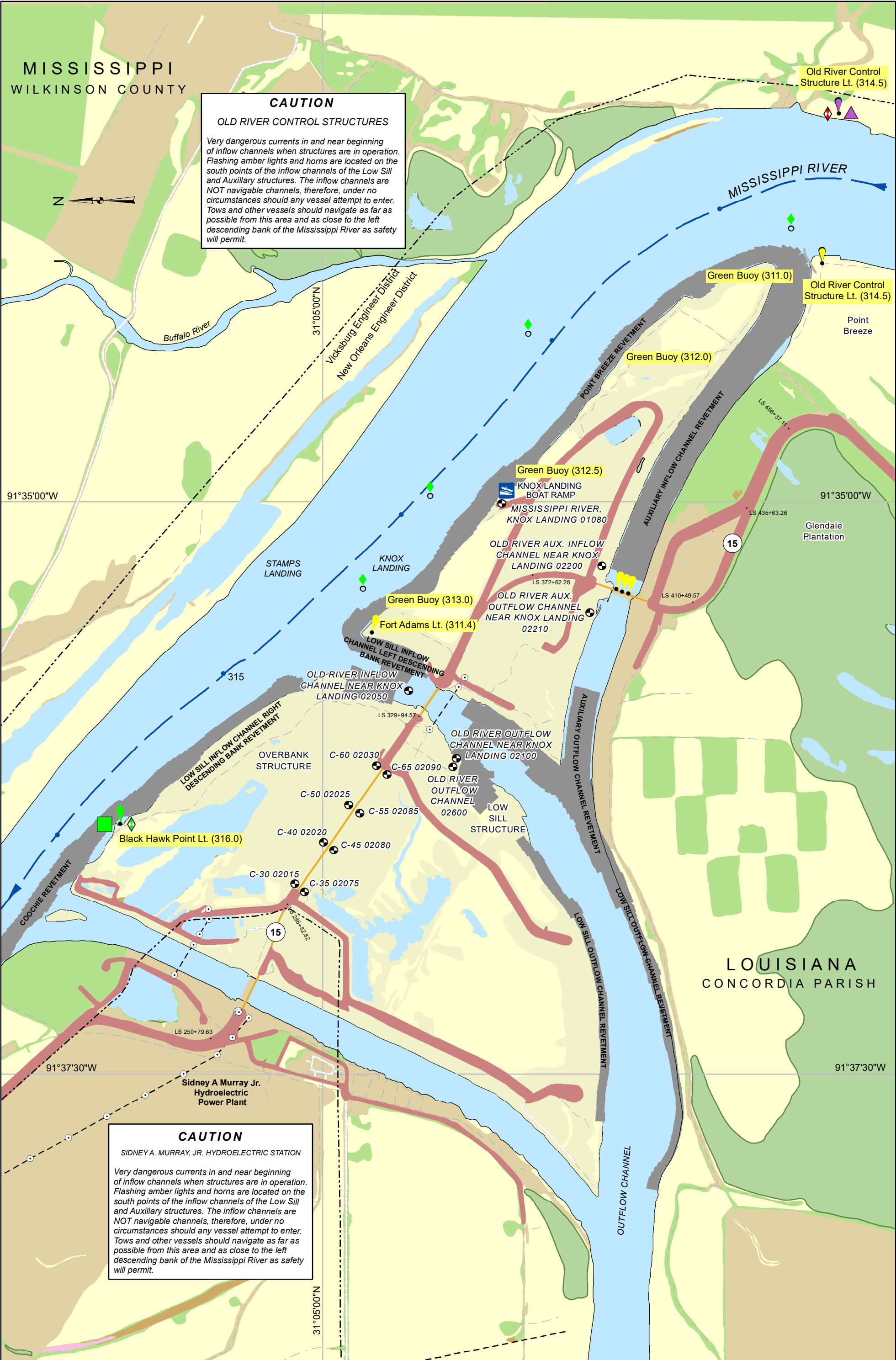
HYDROGRAPHIC FEATURES

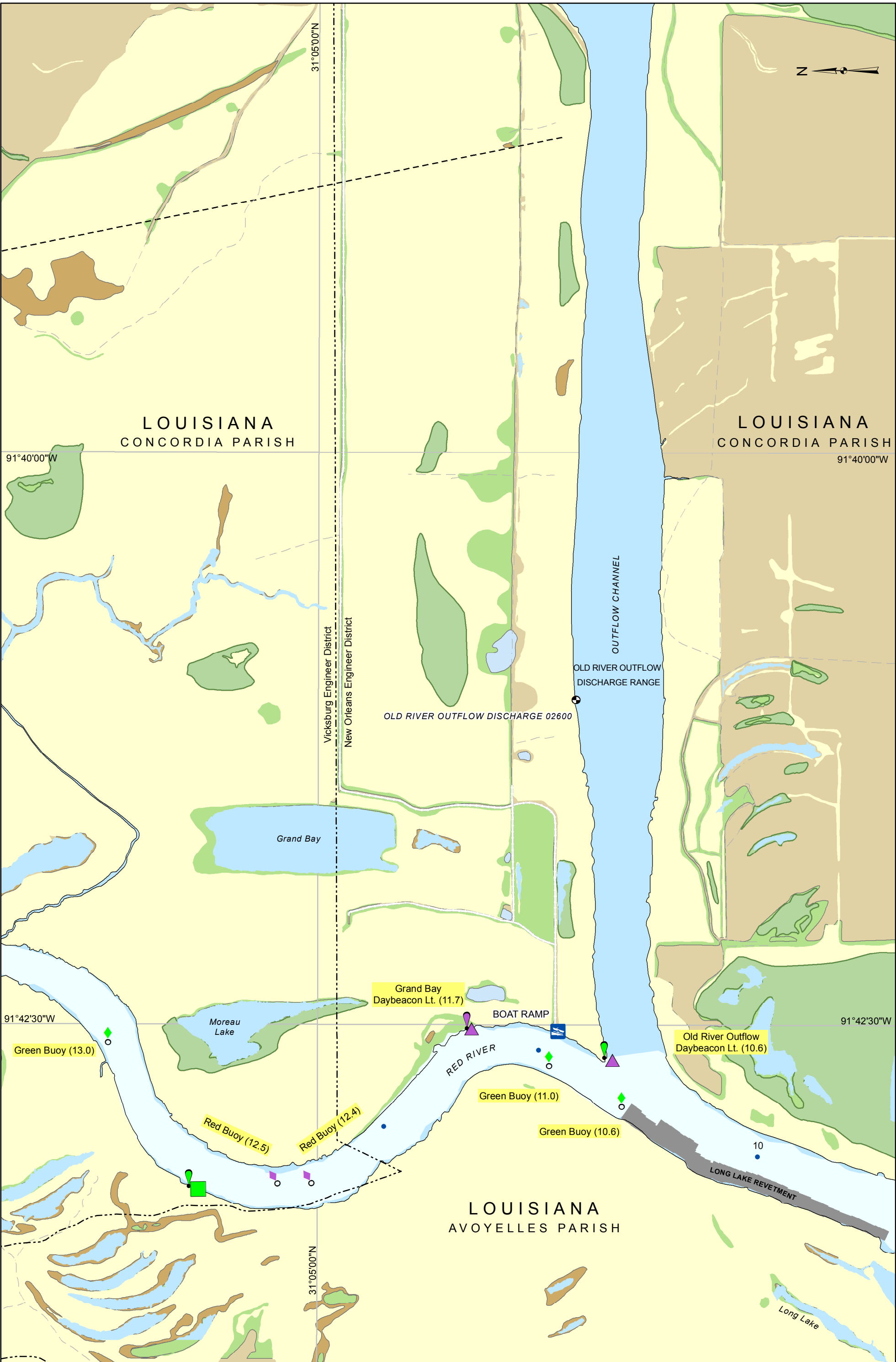
| | |
|-----------------------------------|--|
| Recording Gage | |
| River Mile | |
| Revetment | |
| No Anchorage Area | |
| Sailing Line/Flow Arrow | |
| Channel Dimension | |
| Dock | |
| Bay Platform | |
| Dredge Material | |
| Utility Poles and Aerial Crossing | |
| Pipeline Crossing | |
| Dikes/Weirs | |
| Levee | |

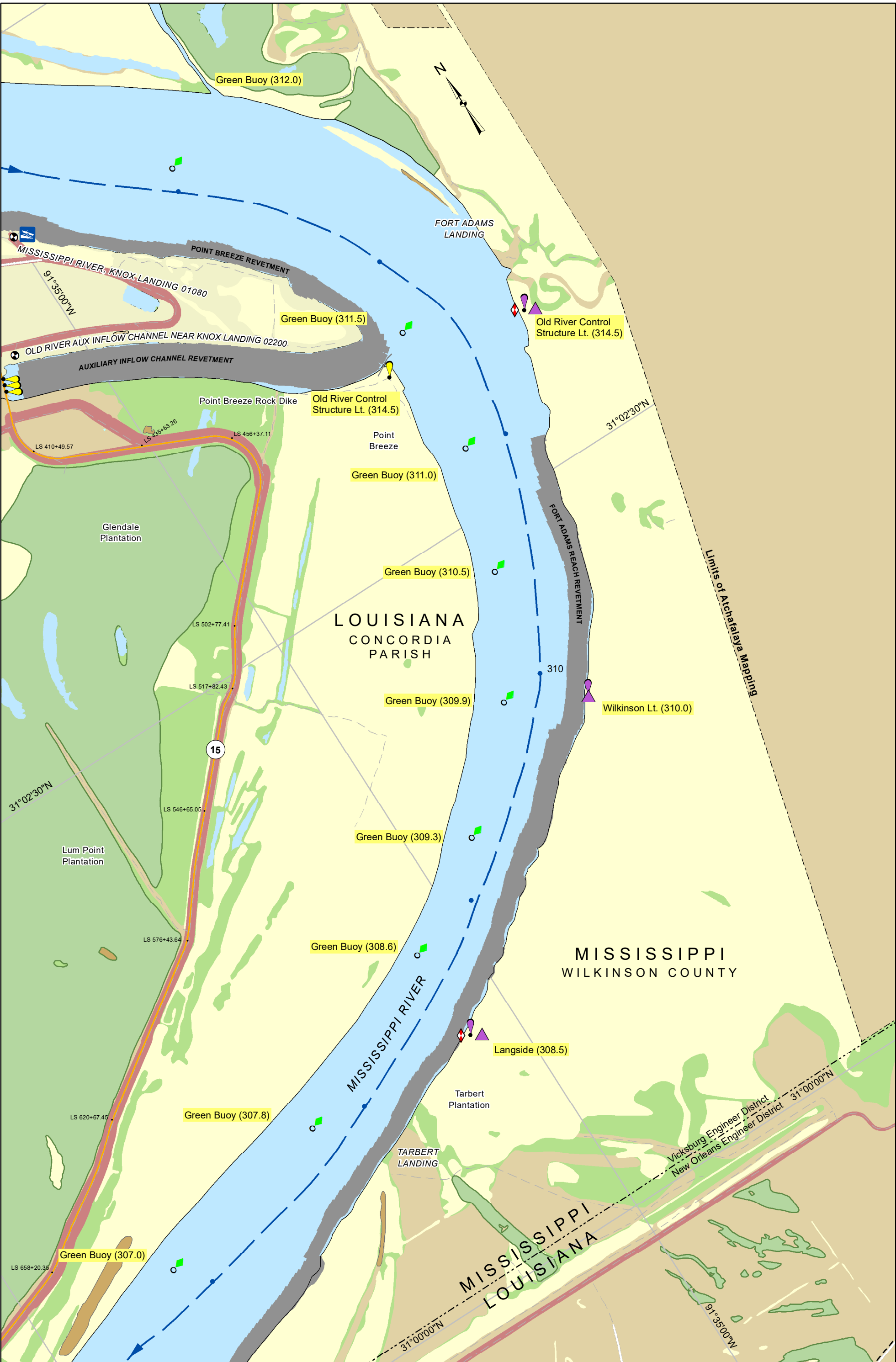
OTHER FEATURES

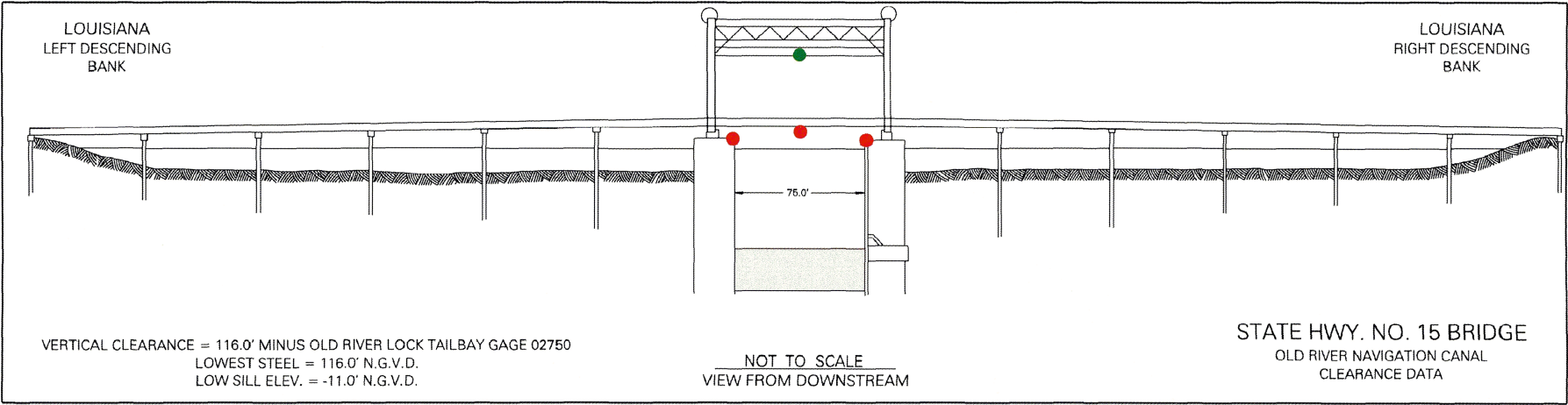
| | |
|-----------------------------------|--|
| Parish Line | |
| Parish Annotation | |
| Engineer District Boundary Line | |
| Levee Station | |
| Swamp Area | |
| Mud Area | |
| Forest Stand Area | |
| River/Lake/Canal/Bayou | |
| Island | |
| Municipal Area | |
| Sand Bar | |
| Longitude/Latitude Grid and Label | |
| City/Place Name | |



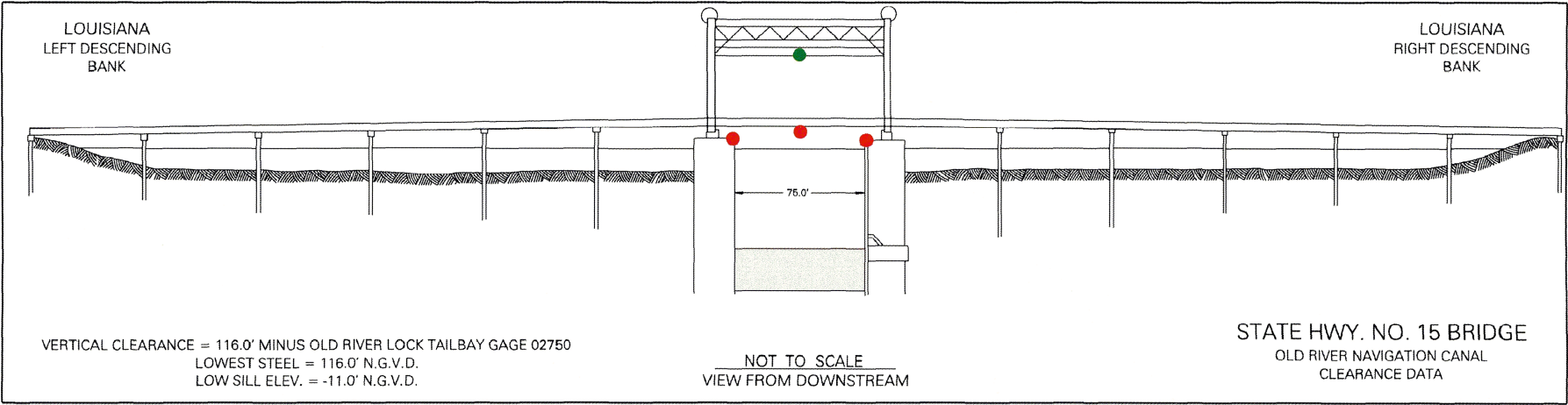








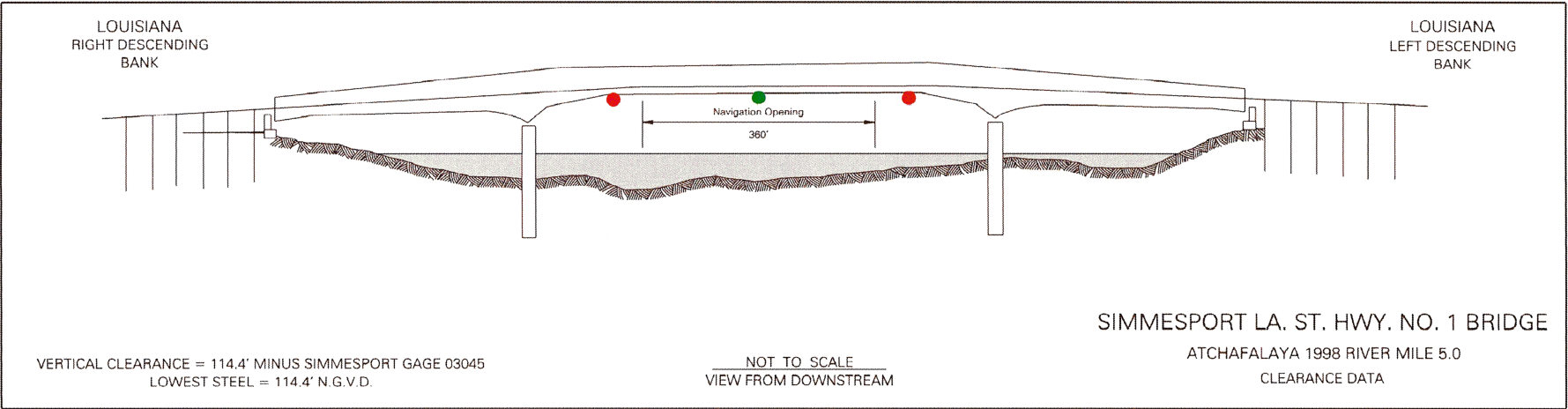
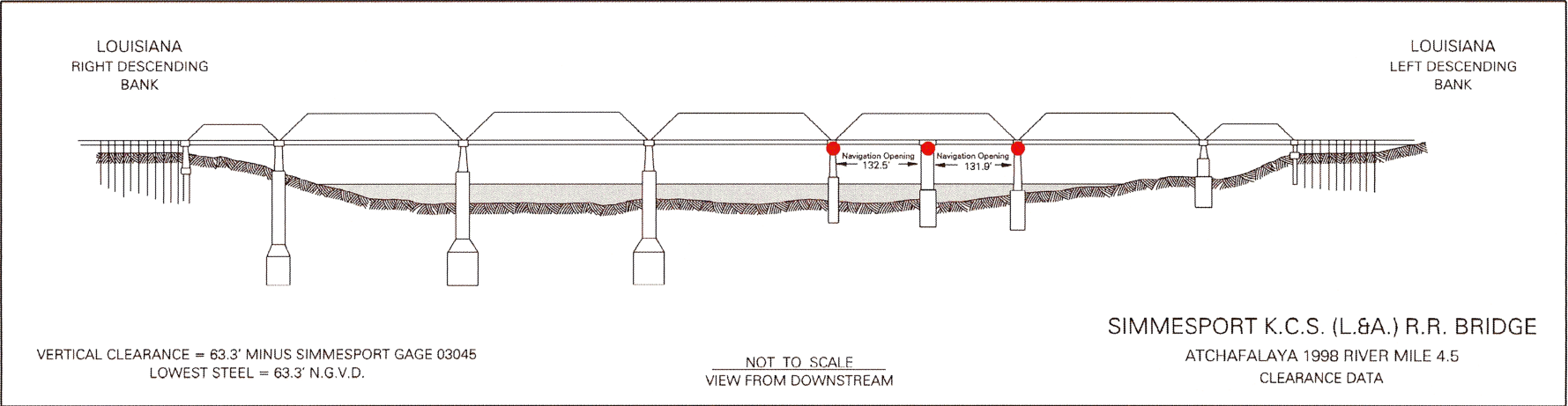


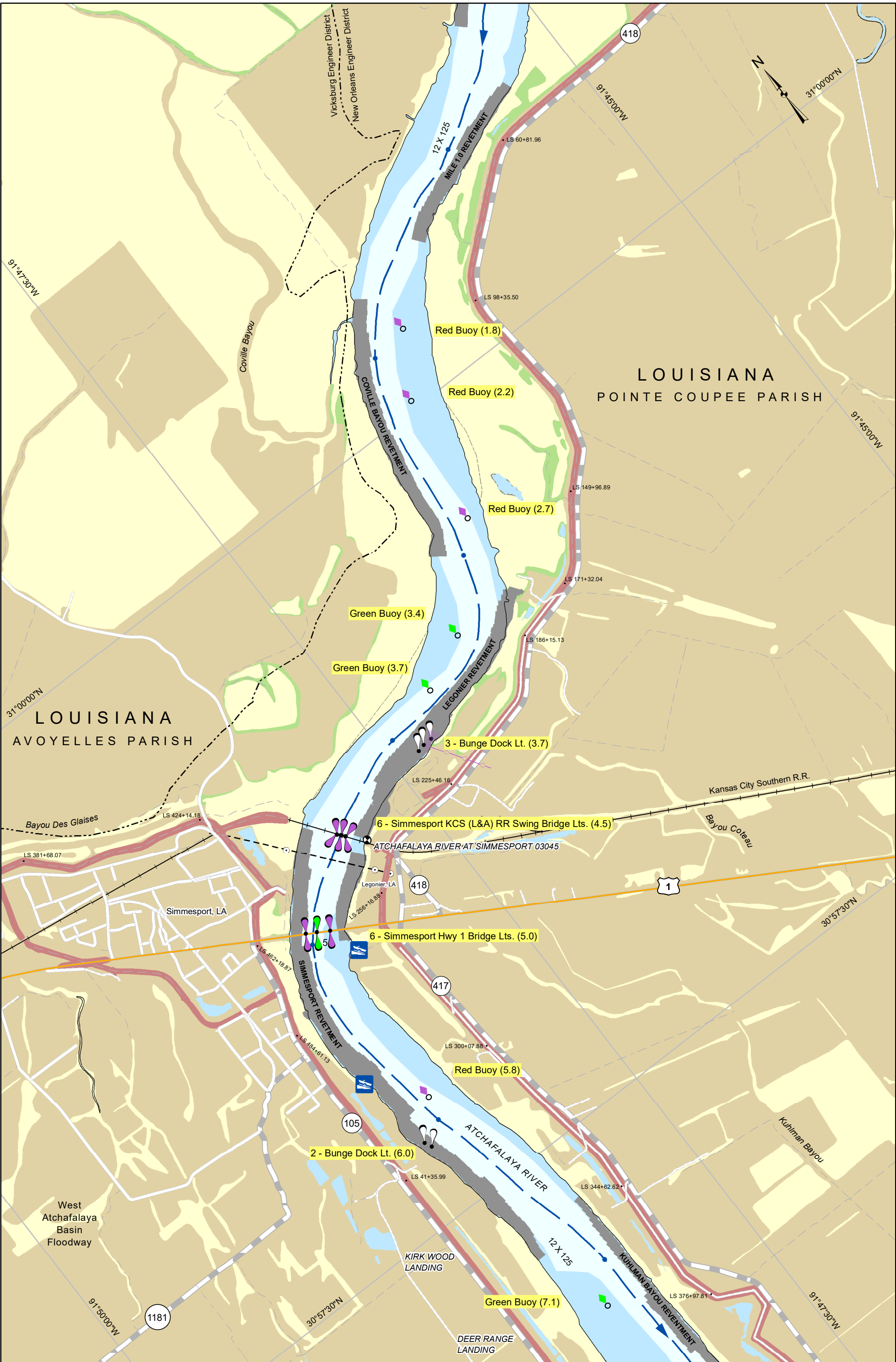


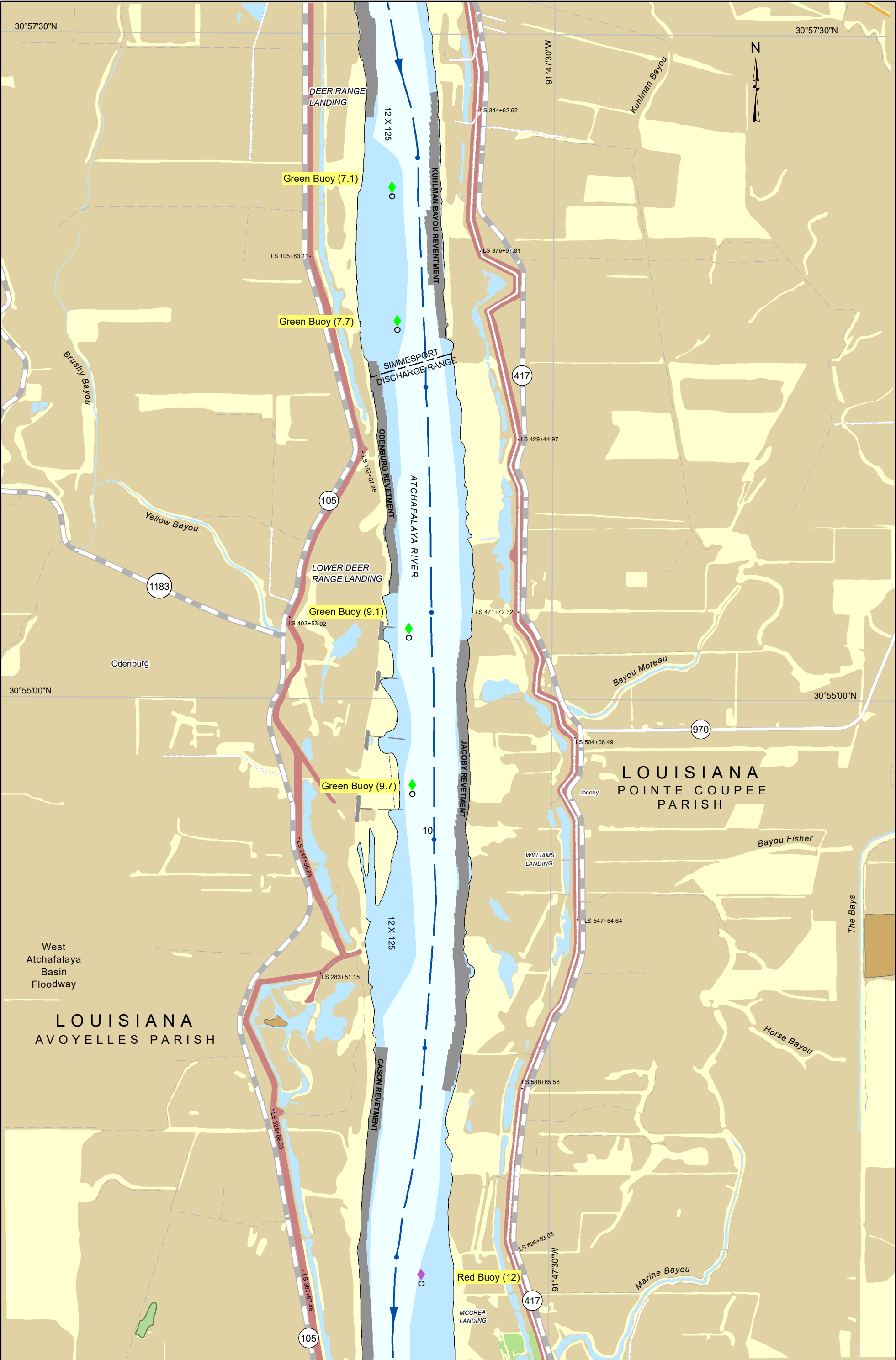


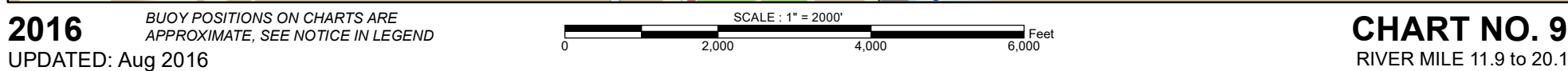


| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 3.9 | PIPELINE | | |
| 4.6 | AERIAL CROSSING | 133.2' | LOUISIANA RURAL ELECTRIC CO. |



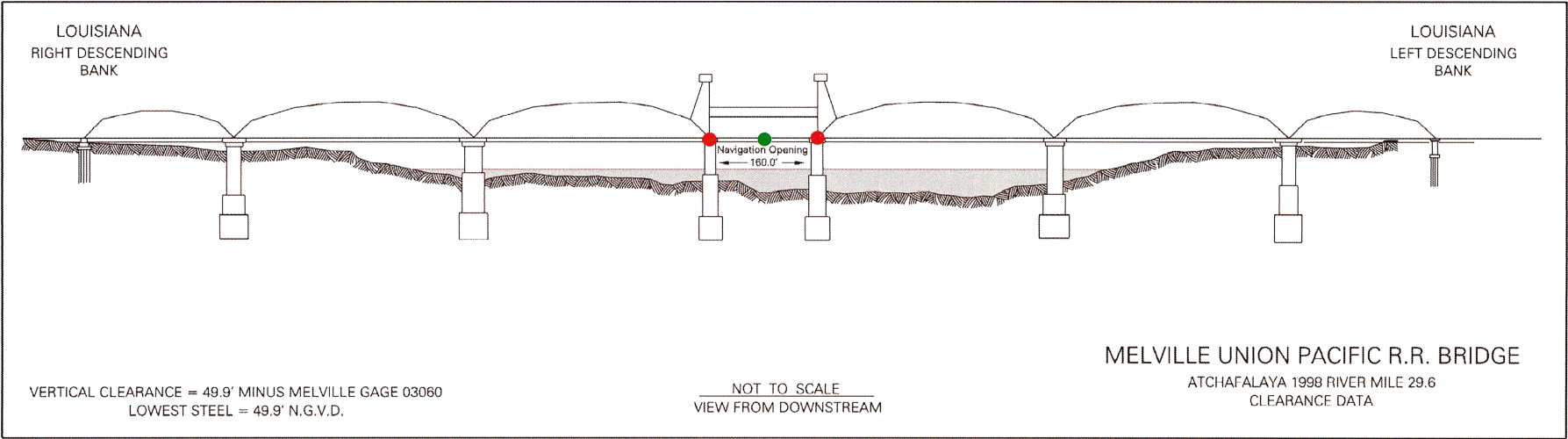








| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|-------------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 28.1 | 4 GAS PIPELINES | | TRANS-SOUTHERN PIPELINE CORP. |
| 28.2 | 2 GAS PIPELINES | | TRANSCONTINENTAL GAS PIPELINE CORP. |
| 28.2 | AERIAL CROSSING | 102.8' | TRANSCONTINENTAL GAS PIPELINE CORP. |
| 29.5 | SUBMERGED CABLE | | |

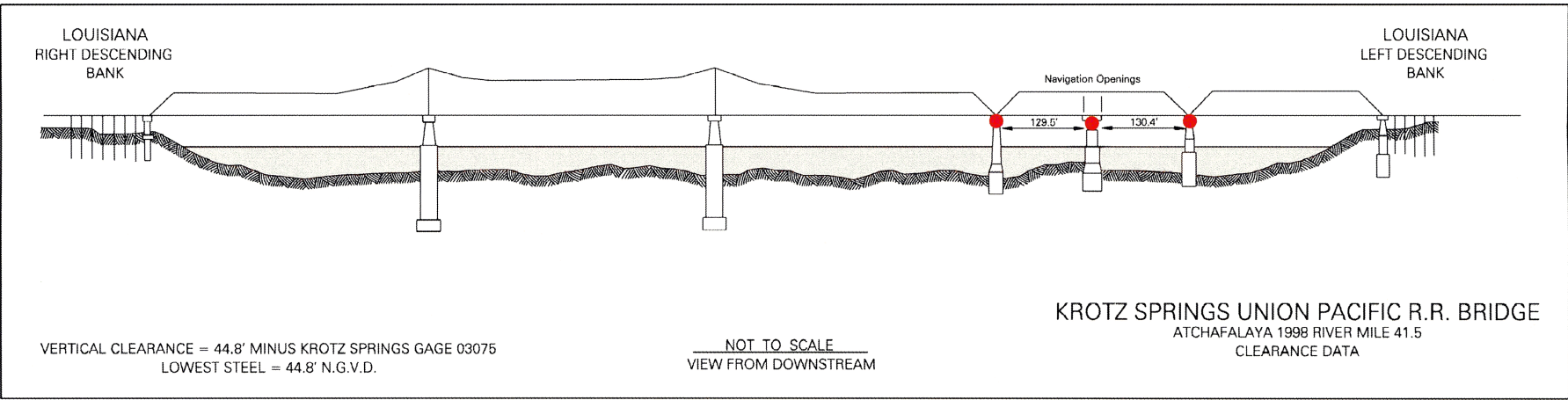
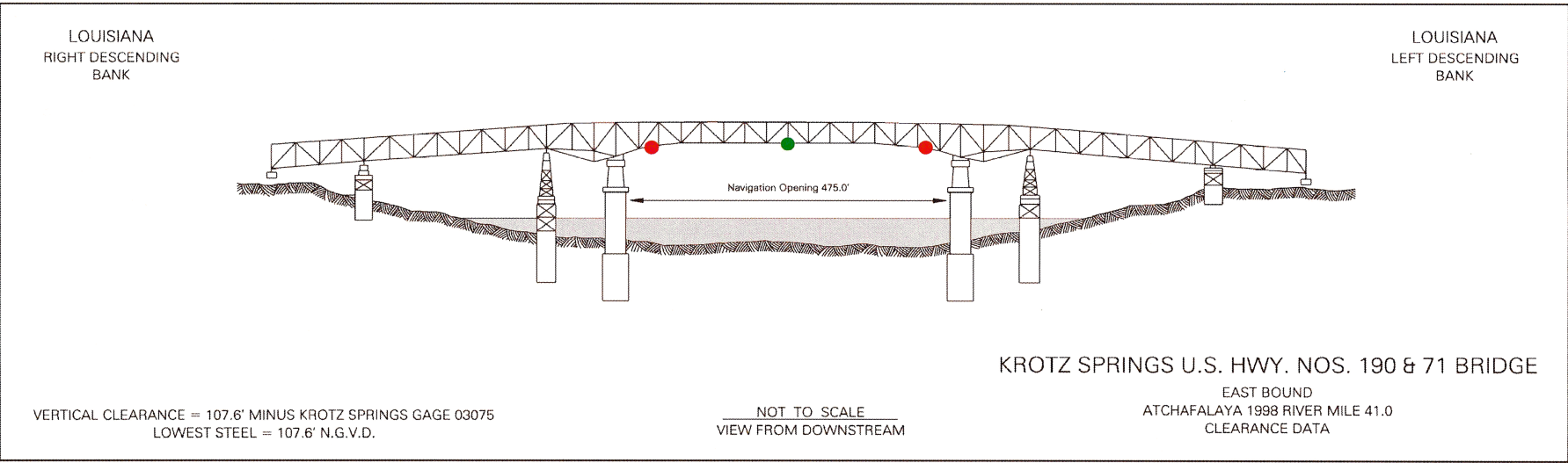
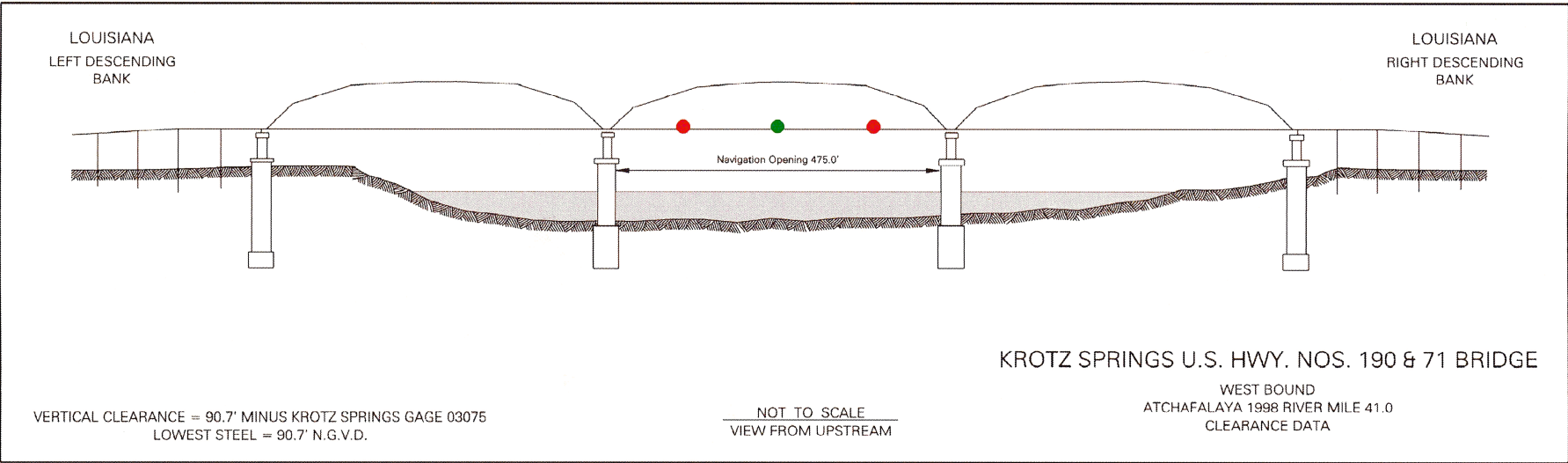






| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|------------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 38.5 | AMMONIA PIPELINE | | KOCH GATEWAY PIPELINE CO. |
| 40.3 | AERIAL CROSSING | 88.6' | FLORIDA GAS TRANSMISSION CO. |
| 40.3 | GAS AND OIL PIPELINE | | TEXAS EASTERN GAS TRANSMISSION CO. |
| 40.4 | GAS AND OIL PIPELINE | | TEXAS EASTERN GAS TRANSMISSION CO. |
| 40.5 | NAT. GAS PIPELINE | | TEXAS EASTERN GAS TRANSMISSION CO. |
| 40.7 | OIL PIPELINE | | TEXAS OIL PIPELINE CO. |
| 40.7 | OIL AND GAS PIPELINE | | BRIDGELINE GAS DISTRIBUTION CO. |
| 40.8 | GAS PIPELINE | | CONOCO |
| 40.8 | OIL PIPELINE | | EVANGELINE PRODUCTS SYSTEM |
| 40.9 | OIL PIPELINE | | EQUILON PIPELINE CO. |
| 40.9 | PIPELINE | | CAYNESE PIPELINE |
| 40.9 | AERIAL CROSSING | 78.8' | SOUTH CENTRAL BELL TEL CO. |
| 41.7 | OIL PIPELINE | | INTERSTATE CENTRAL GAS CO. |
| 41.8 | OIL PIPELINE | | |
| 41.8 | OIL PIPELINE | | EXXON PIPELINE CO. |
| 41.9 | OIL PIPELINE | | INTERSTATE NAT. GAS CO. |
| 42.1 | PETROLEUM PIPELINE | | COLONIAL PIPELINE CO. |
| 42.2 | PETROLEUM PIPELINES | | COLONIAL PIPELINE CO. |
| 42.3 | GAS PIPELINES | | CYPRESS GAS PIPELINE CO. |
| 42.4 | GAS PIPELINE | | INTERSTATE NAT. GAS CO. |
| 42.5 | AERIAL CROSSING | 131.0' | GULF STATES UTILITY CO. |
| 42.5 | GAS PIPELINE | | INTERSTATE NAT. GAS CO. |
| 42.6 | GAS PIPELINE | | INTERSTATE NAT. GAS CO. |
| 42.7 | GAS PIPELINE | | INTERSTATE NAT. GAS CO. |

| FACILITIES | | | |
|---------------|------------------|------------|-------|
| DISPLAY NUMER | NAME | RIVER MILE | BANK |
| 1 | PHILBRO USA DOCK | 41.8 | RIGHT |





| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|-------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 48.9 | AERIAL CROSSING | 180.9' | GULF STATES UTILITY CO. |

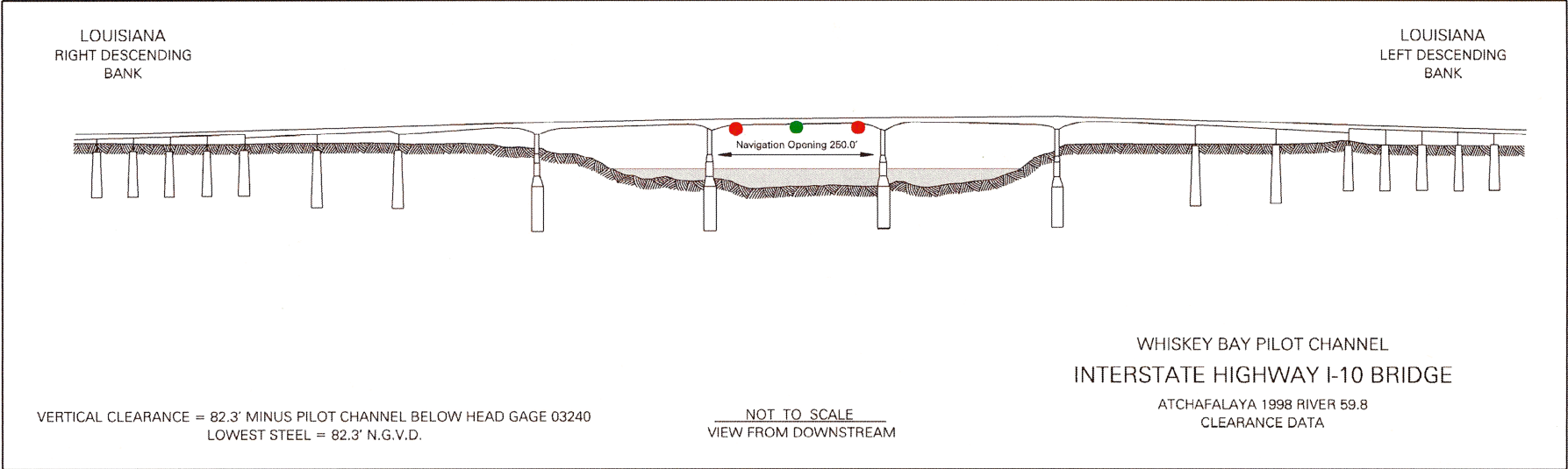
| FACILITIES | | | |
|---------------|------------------|------------|-------|
| DISPLAY NUMER | NAME | RIVER MILE | BANK |
| 1 | PHILBRO USA DOCK | 41.8 | RIGHT |



| UTILITY CROSSING | | | |
|------------------|---------------------------|---------------------------|----------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 52.4 | GAS PIPELINE | | DIXIE PIPELINE CO. |
| 54.0 | LIQUID HYDROGEN PIPELINES | | PROMIX L.L.C. |
| 54.7 | GAS PIPELINE | | EQUILON PIPELINE CO. |



| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|---------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 48.9 | AERIAL CROSSING | 108.1' | GULF STATES UTILITY CO. |
| 60.5 | AERIAL CROSSING | 89.4' | UNION TEXAS PETROCHEMICAL |



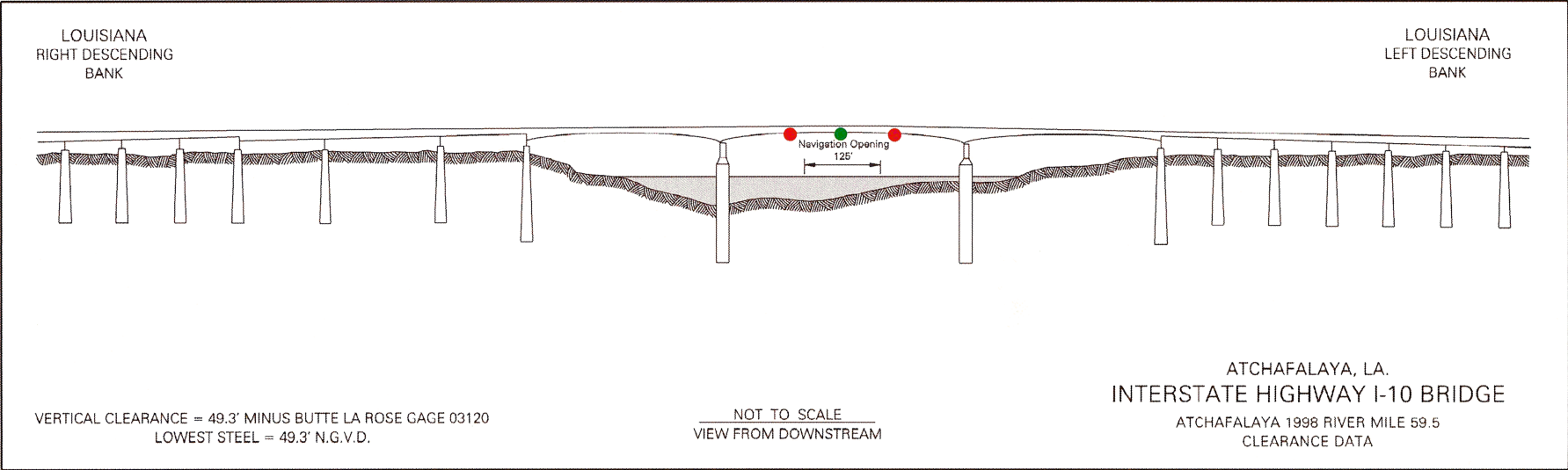


| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|-----------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 64.4 | GAS PIPELINE | | SOUTHERN NAT. GAS CO. |

| FACILITIES | | | |
|---------------|------------------------------------|------------|------|
| DISPLAY NUMER | NAME | RIVER MILE | BANK |
| 1 | PIONEER NATURAL RESOURCE INC. DOCK | 67.1 | LEFT |



| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|---------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| | AERIAL CROSSING | 140.5' | GULF STATES UTILITY CO. |
| | GAS PIPELINE | | UNION TEXAS PETROCHEMICAL |

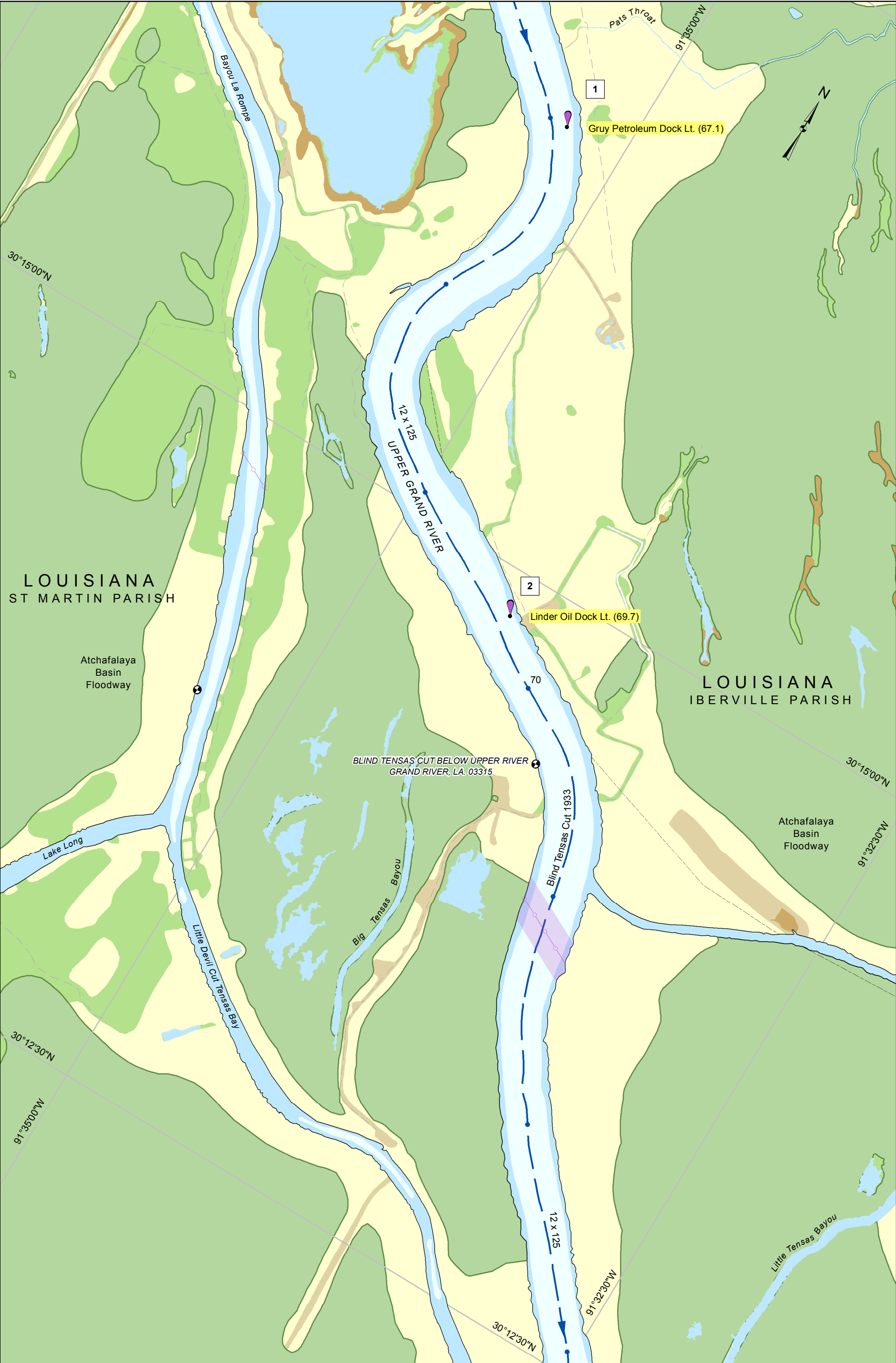




| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|-----------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| | GAS PIPELINE | | GAS GATHERING CORP. |
| | NAT. GAS PIPELINE | | SOUTHERN NAT. GAS CO. |



| FACILITIES | | | |
|---------------|--|------------|------|
| DISPLAY NUMER | NAME | RIVER MILE | BANK |
| 1 | PIONEER NATURAL RESOURCE USA INC. DOCK | 67.1 | LEFT |
| 2 | LINDER OIL CO. DOCK | 69.7 | LEFT |

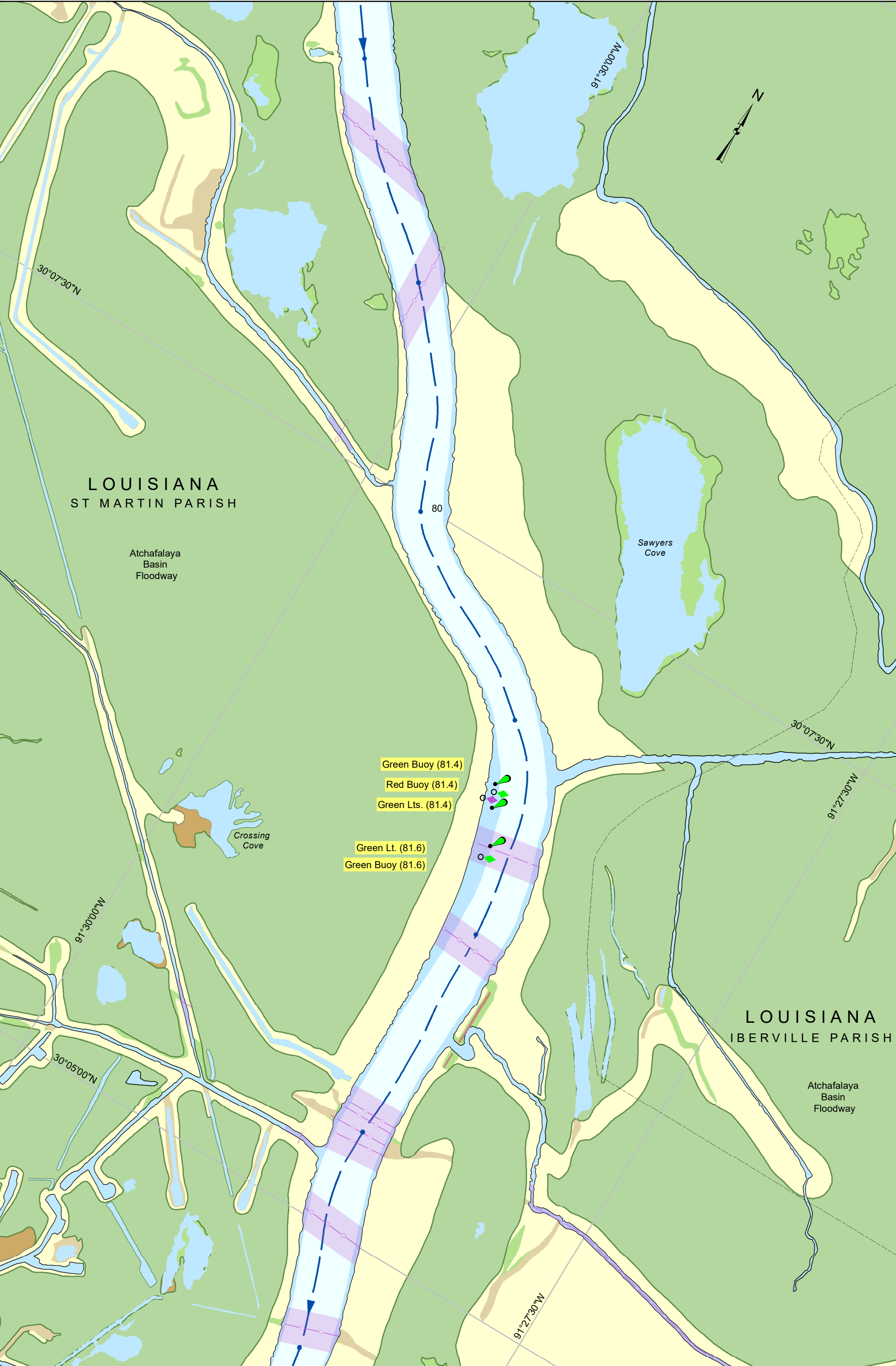


| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|----------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 75.2 | GAS PIPELINE | | EQUILON PIPELINE CO. |
| 75.7 | GAS PIPELINE | | LOUISIANA RESOURCES PIPELINE CO. |
| 75.8 | NAT. GAS PIPELINE | | SOUTHERN NAT. GAS CO. |
| 75.8 | ETHYLENE PIPELINE | | EQUILON PIPELINE CO. |
| 75.8 | PROPYLENE PIPELINE | | EQUILON PIPELINE CO. |
| 76.2 | GAS PIPELINE | | DOW PIPELINE CO. |
| 76.3 | GAS PIPELINE | | DOW PIPELINE CO. |

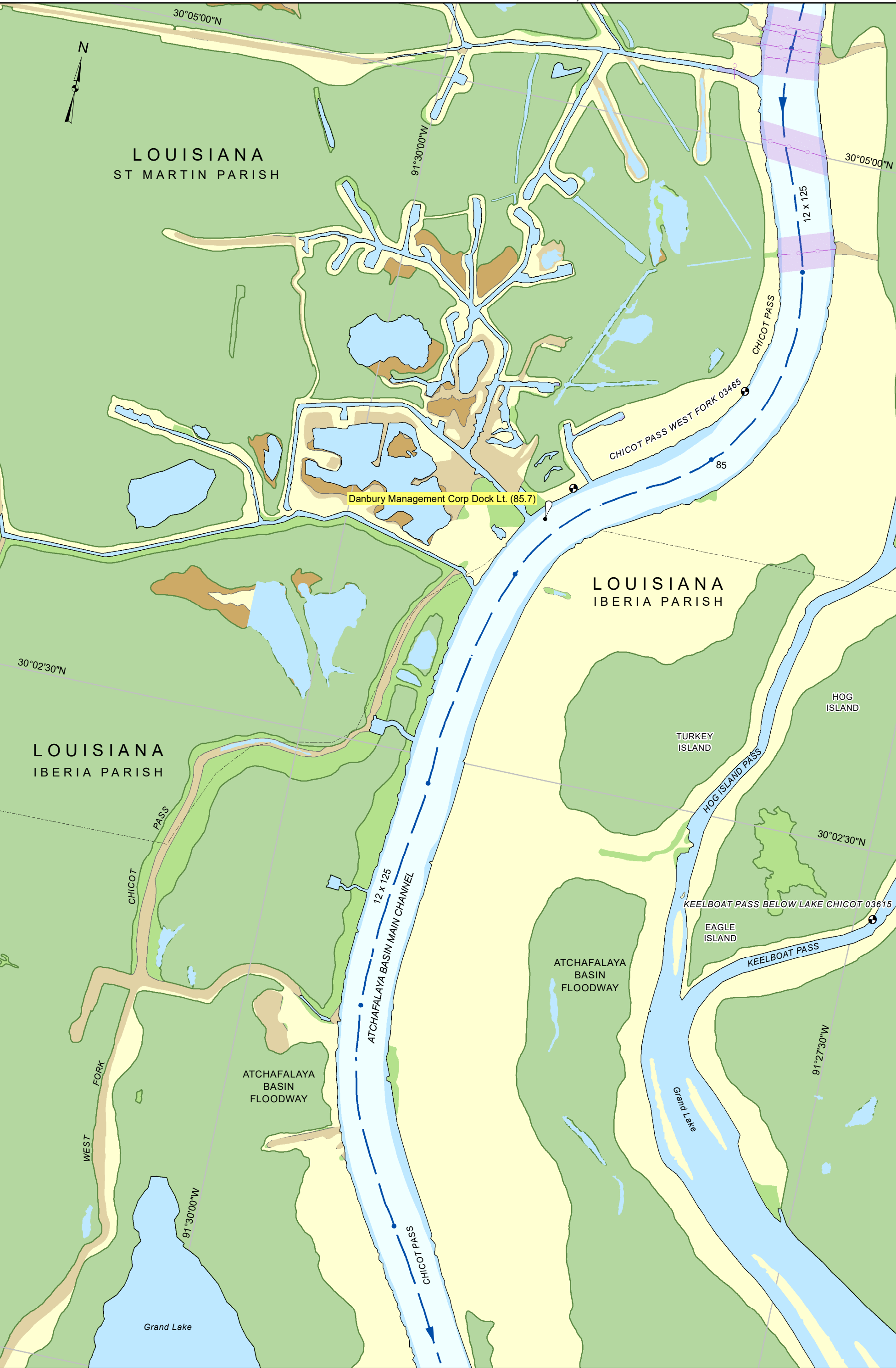
| FACILITIES | | | |
|---------------|-----------------------|------------|------|
| DISPLAY NUMER | NAME | RIVER MILE | BANK |
| 1 | TEXACO RESOURCES DOCK | 75.3 | LEFT |



| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 81.6 | OIL PIPELINE | | EXXON PIPELINE CO. |
| 82.9 | LPG PIPELINE | | DOW CHEMICAL CO. USA |
| 82.9 | LIQ. GAS PIPELINE | | TRANS CANADA GAS PROCESSING |
| 83.0 | GAS PIPELINE | | DOW PIPELINE CO. |
| 83.1 | NAT. GAS PIPELINE | | ENTERPRISE PRODUCTS CO. |
| 83.9 | GAS PIPELINE | | FLORIDA GAS TRANSMISSION CO. |



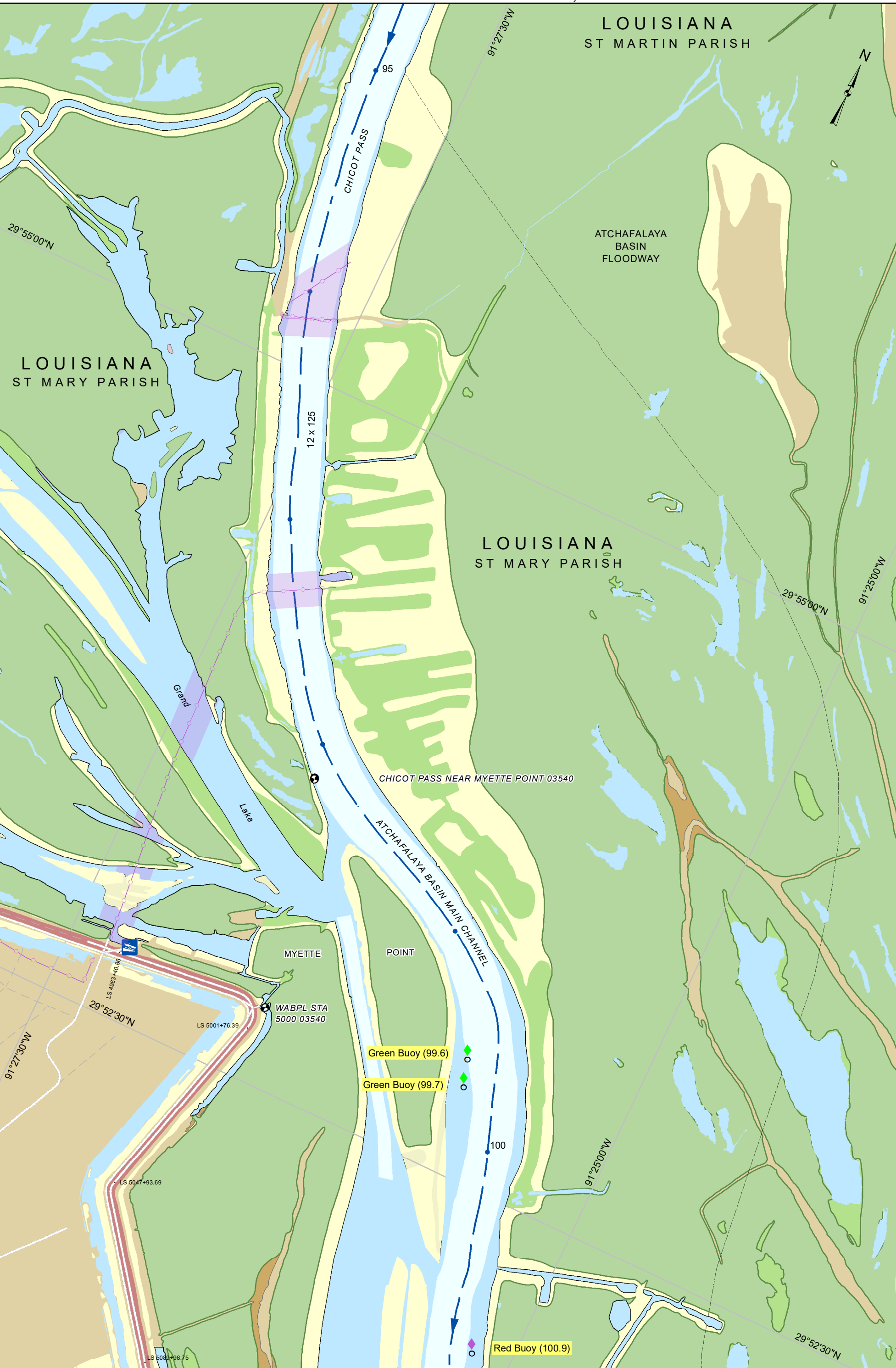
| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|----------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 82.9 | GAS PIPELINE | | TRANS CANADA GAS |
| 83.0 | GAS PIPELINE | | DOW PIPELINE COMPANY |
| 83.4 | | | |



| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|----------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 91.2 | GAS PIPELINE | | TEXAS GAS TRANS. CO. |



| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|--------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 96.1 | GAS PIPELINE | | TEXAS GAS TRANS. CORP. |
| 97.3 | GAS PIPELINE | | LOUISIANA INTRASTATE GAS CORP. |



| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 101.8 | LPG PIPELINE | | EXXON PIPELINE CO. |
| 102.4 | NAT. GAS PIPELINE | | LOUISIANA INTRASTATE GAS CO. |
| 102.5 | GAS PIPELINE | | ACADIAN GAS PIPELINE SYSTEM |
| 102.6 | ETHYLENE PIPELINE | | UNION CARBIDE PIPELINE INC. |
| 102.6 | LIQ. HYD. PIPELINE | | PROMIX L.L.C. |
| 102.6 | GAS PIPELINE | | UNITED GAS PIPELINE CO. |



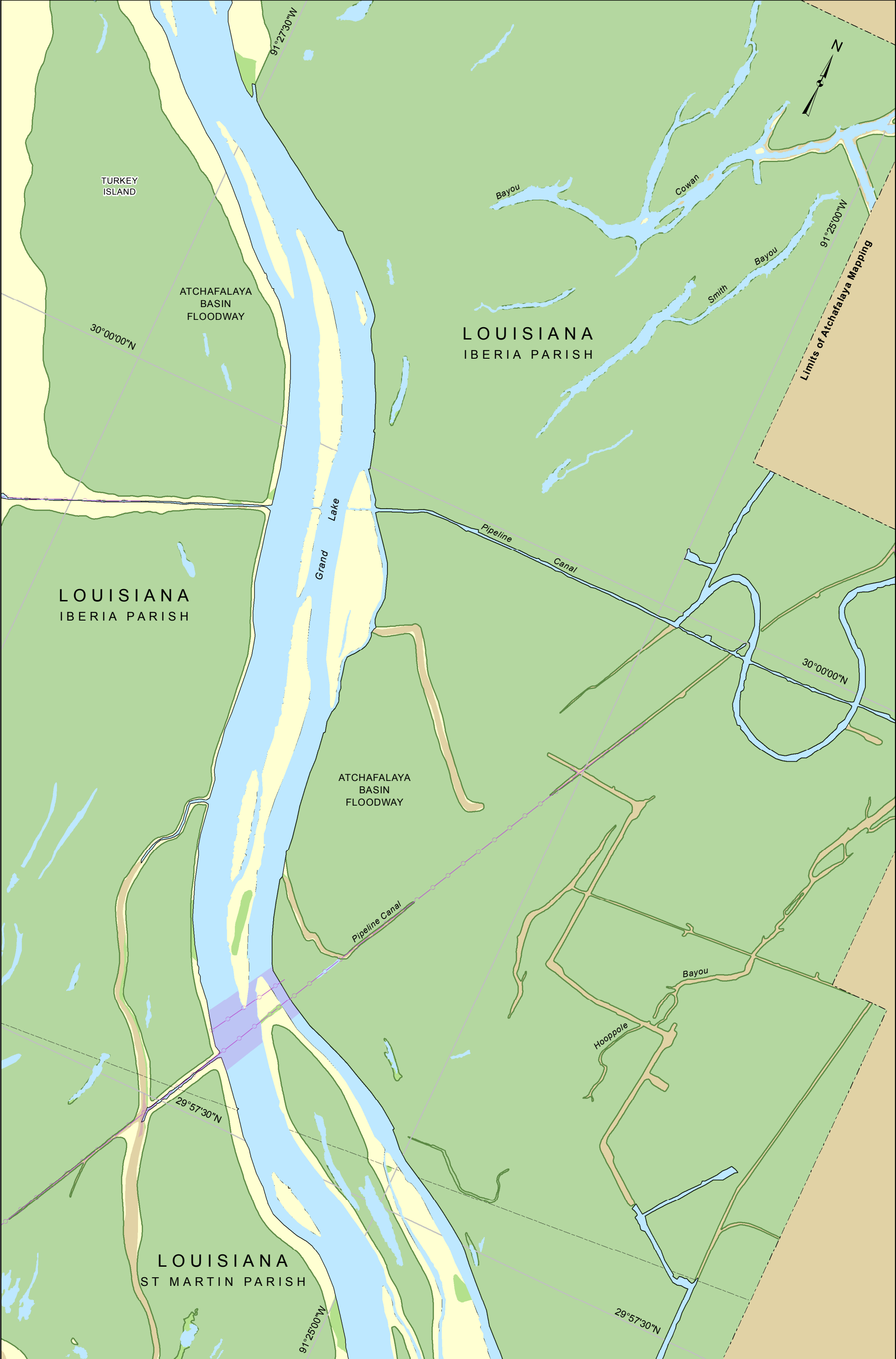
| UTILITY CROSSING | | | |
|------------------|----------------------|------------------------|--------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 107.1 | AERIAL CROSSING | 108.9' (MAIN CHANNEL) | CENTRAL LOUISIANA ELECTRIC CO. |
| 107.9 | GAS PIPELINE | | EXXON GAS TRANS. CO. |
| 108.2 | NAT. GAS PIPELINE | | KOCH GATEWAY PIPELINE CO. |
| 108.7 | OIL PIPELINE | | EXXON PIPELINE CO. |
| 108.8 | NAT. GAS PIPELINE | | SOUTHERN NAT. GAS CO. |
| 108.9 | NAT. GAS PIPELINE | | SOUTHERN NAT. GAS CO. |
| 109.0 | GAS PIPELINE | | SOUTHERN NAT. GAS CO. |



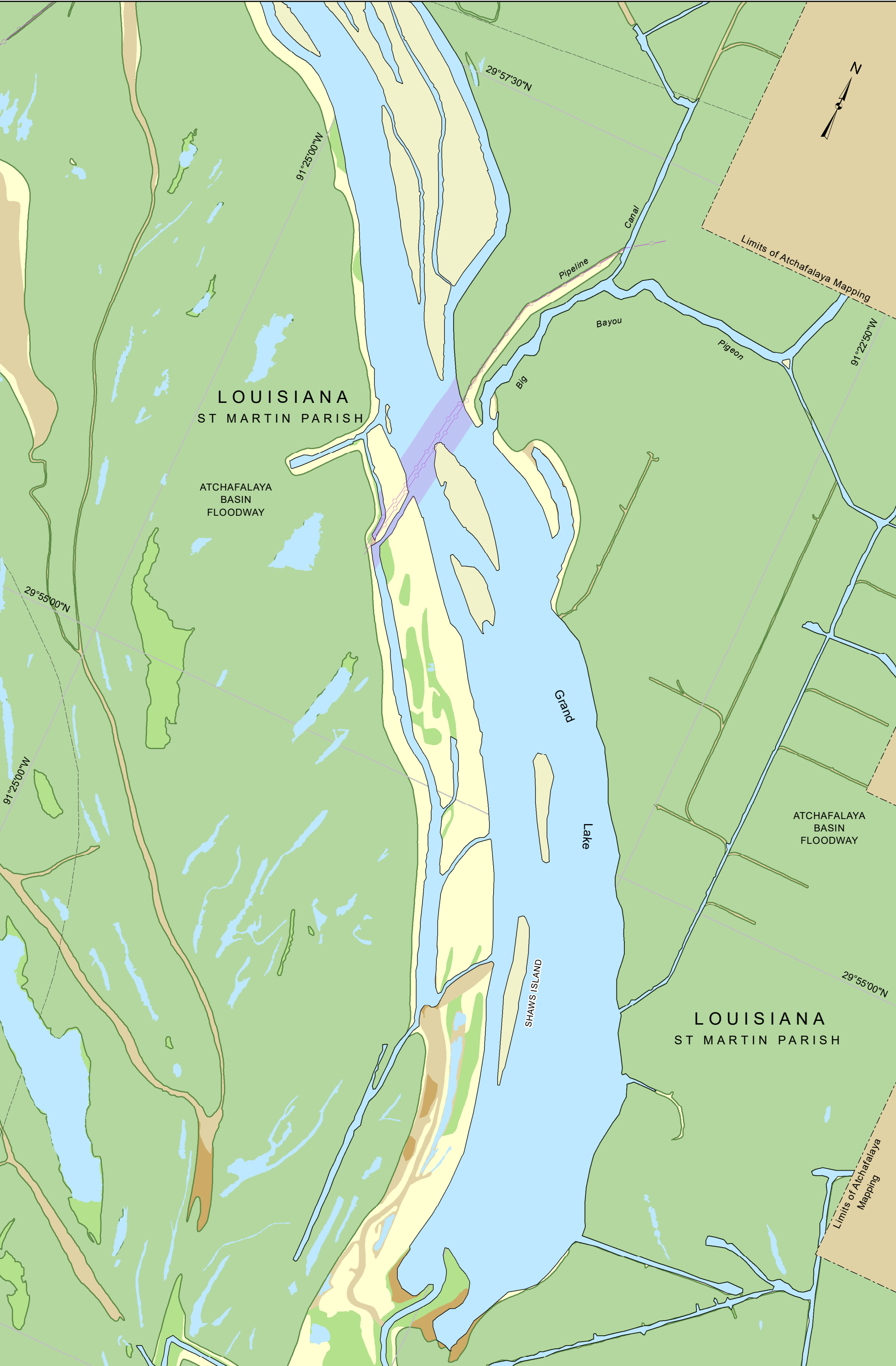
| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 83.0 | GAS PIPELINE | | DOW PIPELINE CO |
| 83.1 | NAT. GAS PIPELINES | | ENTERPRISE PRODUCTS CO. |
| 83.9 | GAS PIPELINE | | FLORIDA GAS TRANSMISSION CO. |



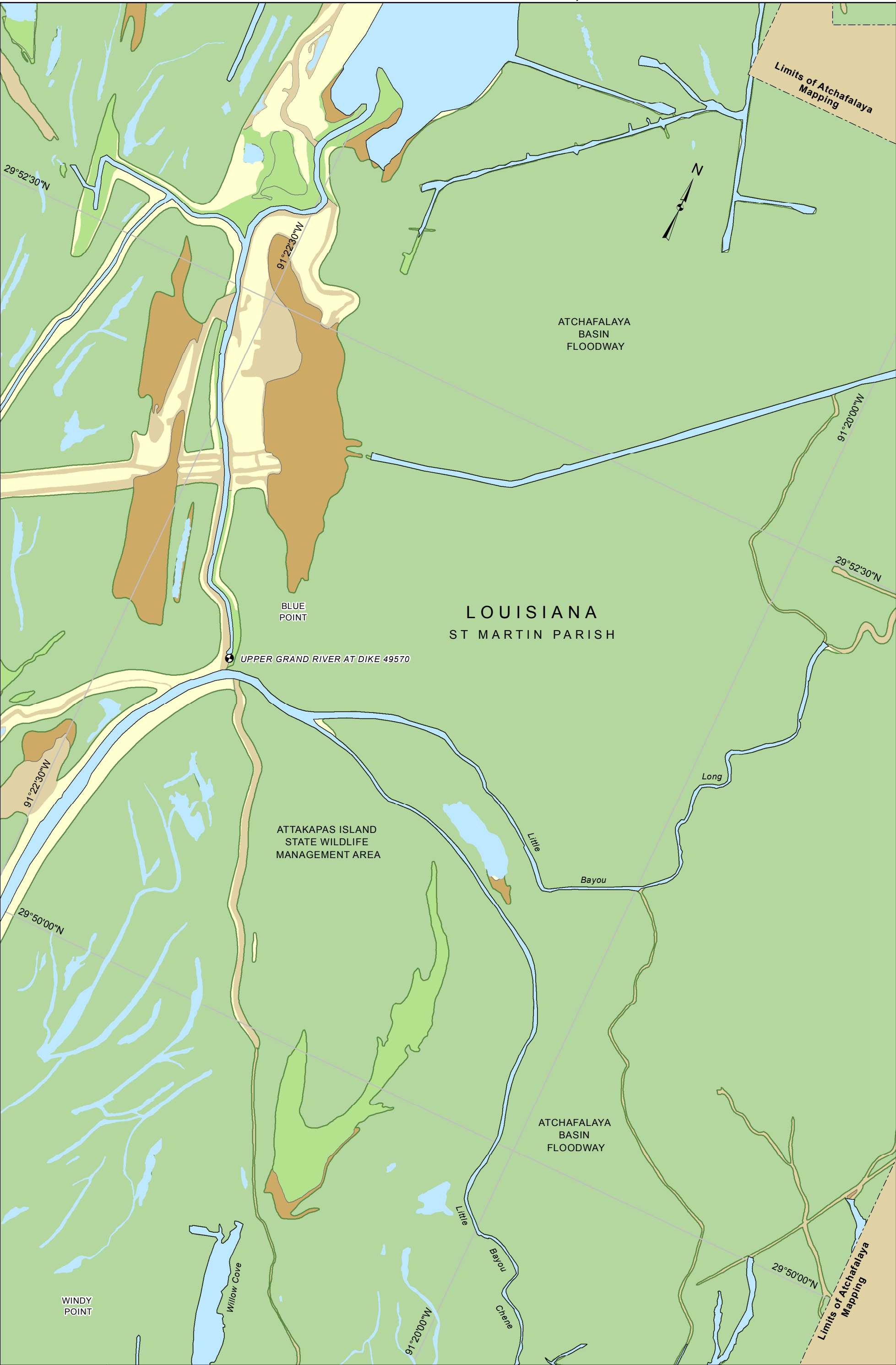
| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| | GAS PIPELINE | | TEXAS GAS TRANS. CORP. |
| | LPG PIPELINE | | EXXON PIPELINE CO. |



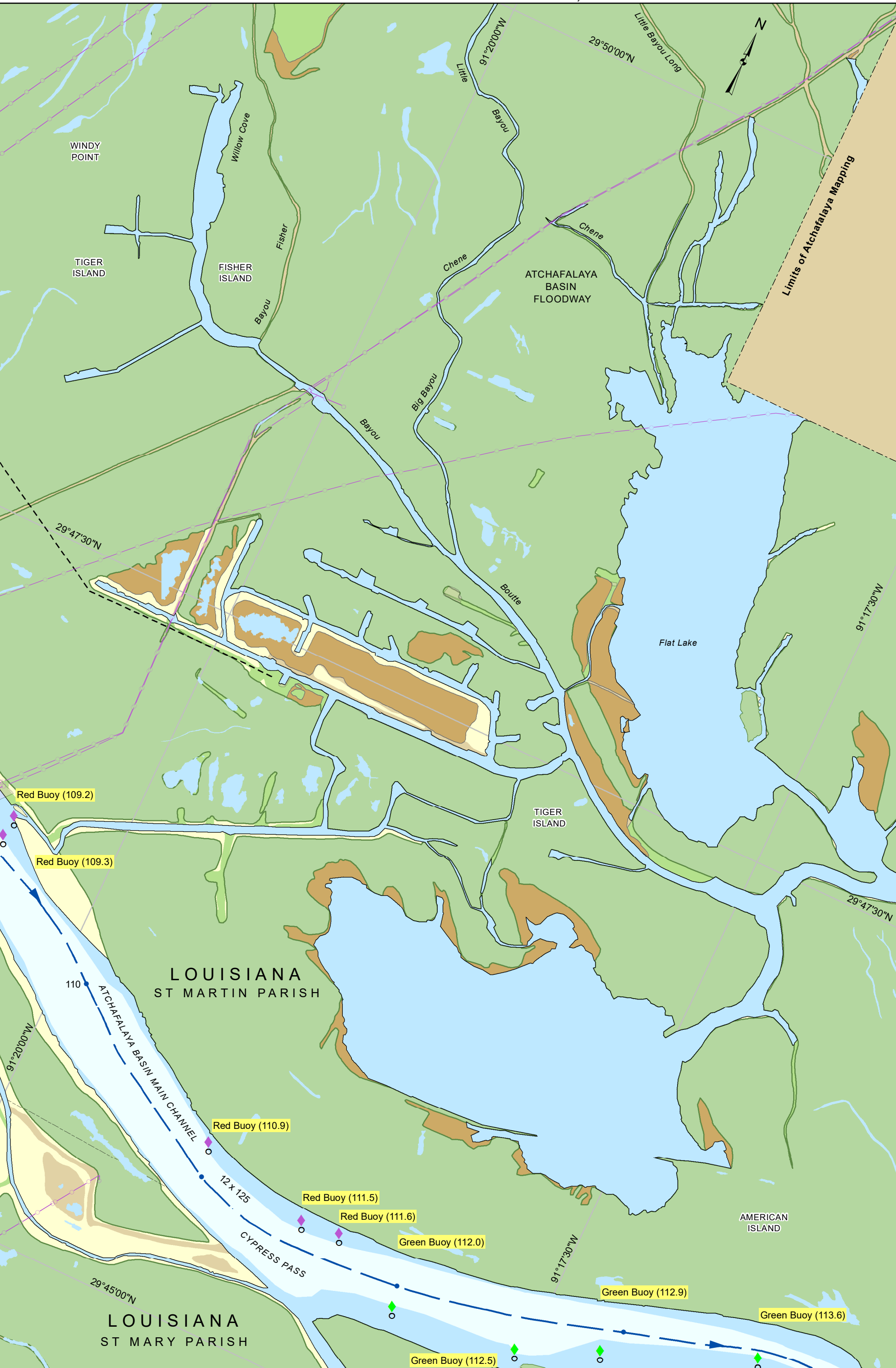
| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|--------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| | LPG PIPELINE | | EXXON PIPELINE CO. |



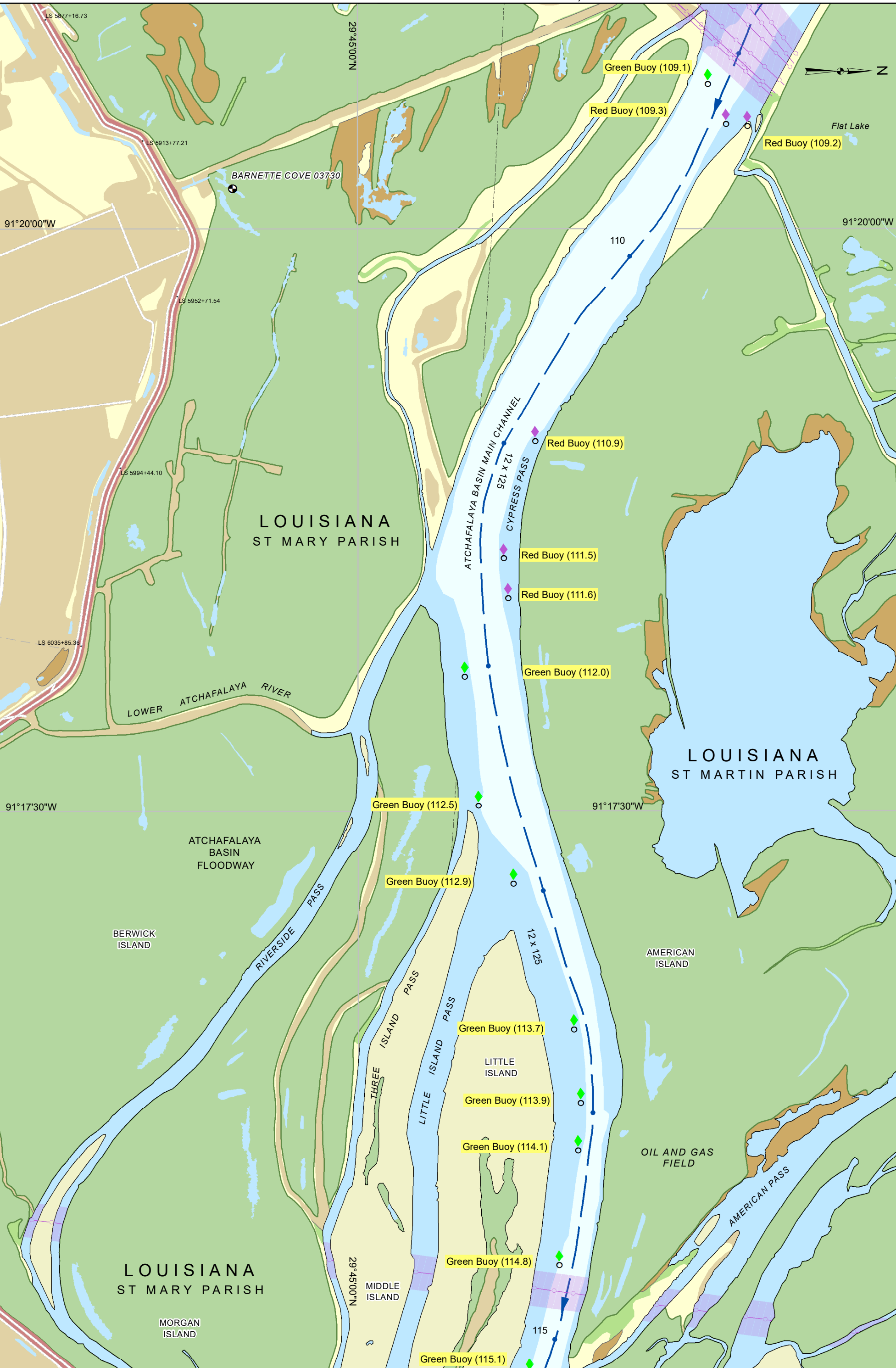
| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|-----------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| | GAS PIPELINE | | ACADIAN GAS PIPELINE SYSTEM |
| | ETHYLENE PIPELINE | | UNION CARBIDE PIPELINE INC. |
| | ETHYLENE PIPELINE | | UNION CARBIDE PIPELINE INC. |
| | GAS PIPELINE | | UNITED GAS PIPELINE CO. |



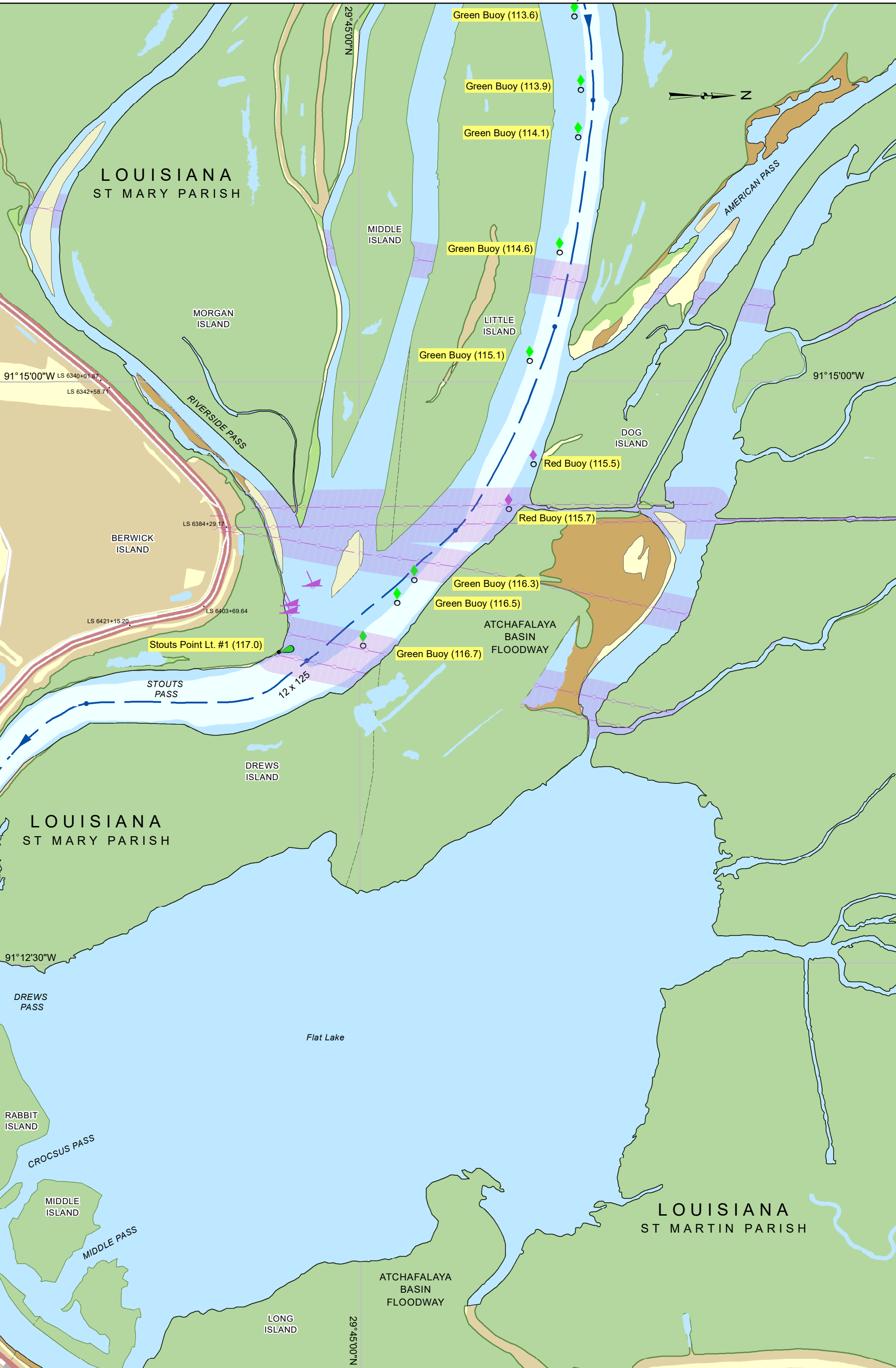
| UTILITY CROSSING | | | |
|------------------|-------------------------|---------------------------|---------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| | 1-12" GAS PIPELINE | | SOUTHERN NAT. GAS CO. |
| | 1-20" GAS PIPELINE | | EXXON CO. U.S.A. |
| | 1-30" NAT. GAS PIPELINE | | KOCH GATEWAY PIPELINE CO. |



| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|-----------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 108.7 | OIL PIPELINE | | EXXON PIPELINE CO. |
| 108.8 | NAT. GAS PIPELINE | | SOUTHERN NAT. GAS CO. |
| 108.9 | NAT. GAS PIPELINES | | SOUTHERN NAT. GAS CO. |
| 109.0 | GAS PIPELINE | | SOUTHERN NAT. GAS CO. |

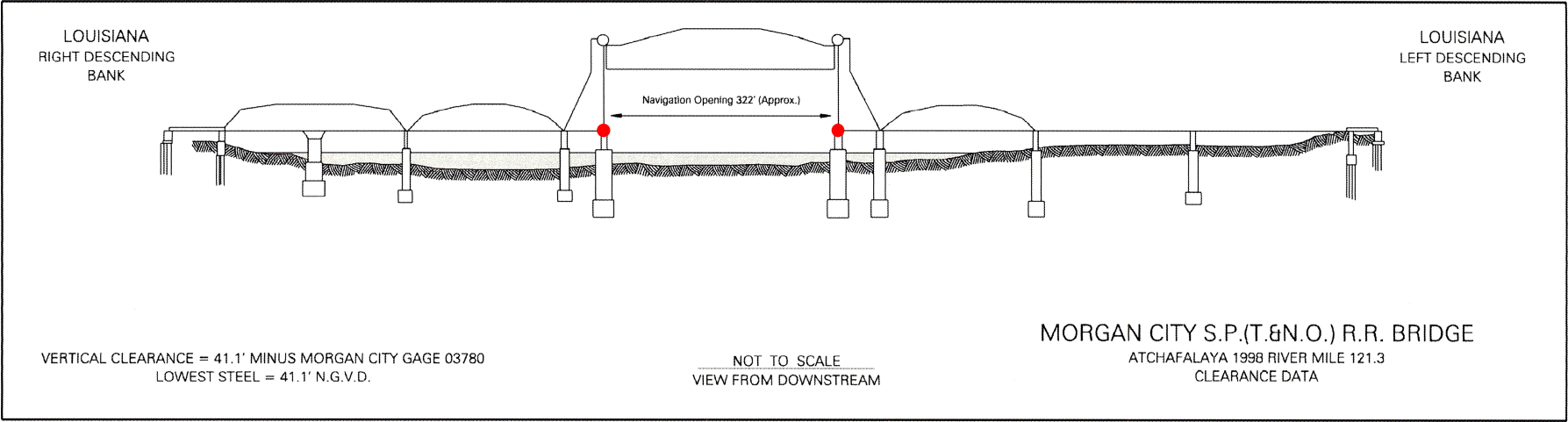
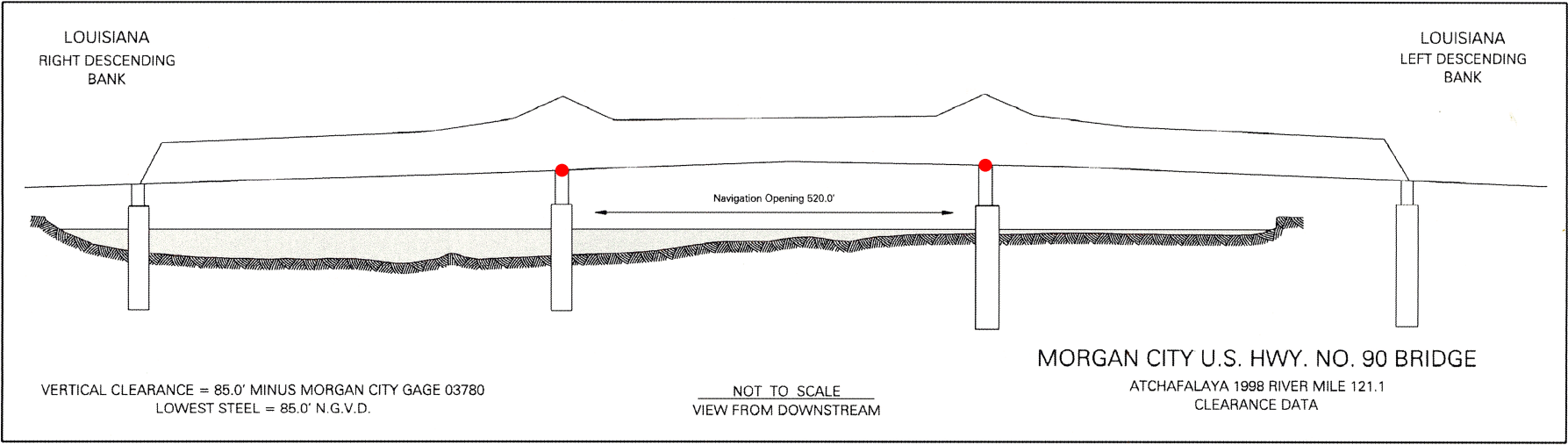
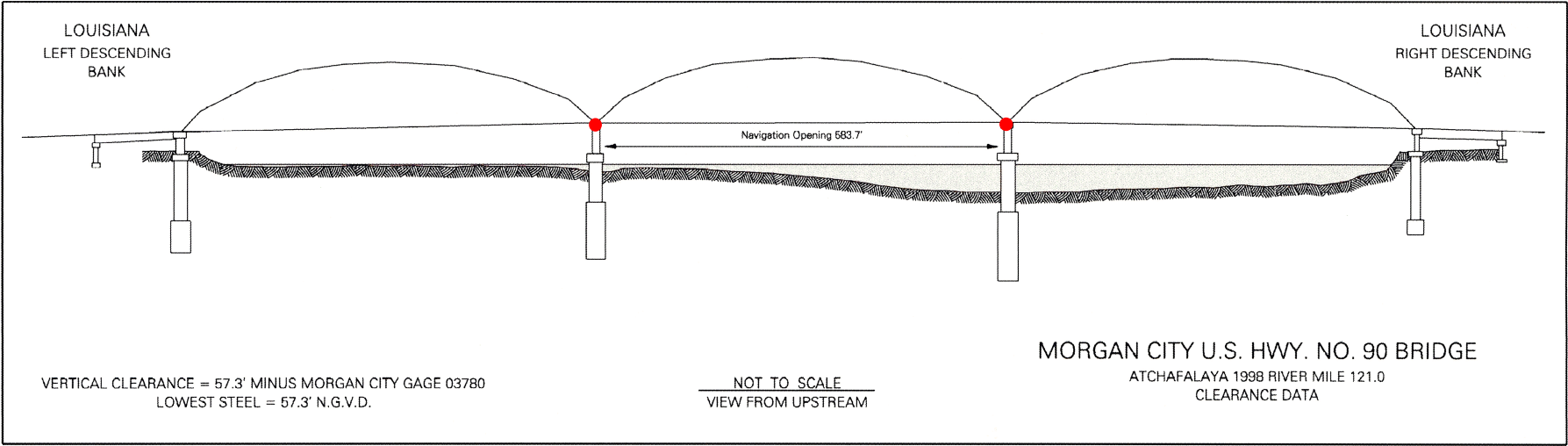


| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|---------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 115.8 | PIPELINE | | PROMIX L.L.C. |
| 115.9 | GAS PIPELINE | | CYPRESS GAS PIPELINE CO. |
| 116.3 | GAS PIPELINE | | BRIDGELINE GAS DISTRIBUTION CO. |



| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|--------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 121.8 | WATERLINE | 124.1' | AVOCA DUCK CLUB |
| 122.3 | NAT. GAS PIPELINE | | LOUISIANA INTRASTATE GAS CORP. |
| 122.3 | OIL PIPELINE | | TEXACO E AND P INC. |
| 122.4 | CRUDE PIPELINE | | EQUILON PIPELINE CO. |
| 122.5 | AERIAL CROSSING | 159.1' | CENTRAL LOUISIANA ELECTRIC CO. |
| 122.6 | NAT. GAS PIPELINE | | COLUMBIA GULF TRANSMISSION CO. |

| FACILITIES | | | |
|----------------|----------------------------------|------------|-------|
| DISPLAY NUMBER | NAME | RIVER MILE | BANK |
| 1 | BAILEYS BASIN SEAFOOD DOCK | 119.7 | LEFT |
| 2 | LANGES TOWING INC. DOCK | 119.9 | LEFT |
| 3 | TEMPLATES SHIPYARD DOCK | | LEFT |
| 4 | CONRAD INDUSTRIES | | LEFT |
| 5 | GARBER BROS. INC. DOCK | 120.1 | RIGHT |
| 6 | OCEANEERING INC. | | RIGHT |
| 7 | AMBAR INC. DOCK | | RIGHT |
| 8 | STEVENS SHIPYARD DOCK | | LEFT |
| 9 | JOHNNY'S PROPELLER SHOP DOCK | | LEFT |
| 10 | CANDY FLEET DOCK | 120.6 | LEFT |
| 11 | BAKER HUGES DOCK | | RIGHT |
| 12 | RIO FUEL AND SUPPLY INC. DOCK | | LEFT |
| 13 | M.I. INC. DOCK | | RIGHT |
| 14 | TESORO PETROLEUM DOCK | 120.8 | LEFT |
| 15 | TEXACO MARINE SERVICE DOCK | 120.8 | LEFT |
| 16 | L. AND L. OIL CO. INC. DOCK | | RIGHT |
| 17 | NEW PARK DRILLING FLUIDS DOCK | | RIGHT |
| 18 | BARIOD DRILLING FLUIDS INC. DOCK | | RIGHT |
| 19 | CAPT L.D. SEAFOOD DOCK | 121.2 | LEFT |
| 20 | BASIN MARINE INC. DOCK | 121.2 | RIGHT |
| 21 | CENTRAL BOAT RENTALS DOCK | 121.3 | LEFT |
| 22 | NEWPARK DRILLING FLUIDS DOCK | | LEFT |
| 23 | MORGAN CITY DOCK | | LEFT |
| 24 | HALIBURTON SERVICES DOCK | | LEFT |
| 25 | L AND L OIL CO INC. DOCK | | LEFT |
| 26 | ENERGY LOGISTICS DOCK | | LEFT |
| 27 | ORYX ENERGY CORP DOCK | | LEFT |
| 28 | SHELL OFFSHORE DOCK | | LEFT |
| 29 | BAKER HUGHES DOCK | | RIGHT |
| 30 | DOWELL SCHLUMBERGER DOCK | | RIGHT |
| 31 | CAMPBELL WELLS CORP. DOCK | | LEFT |
| 32 | BASIN FLEETING INC. DOCK | 122.9 | RIGHT |
| 33 | SWIFTSHIPS INC. DOCK | 119.0 | LEFT |





| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|--------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 121.8 | WATERLINE | 124.1' | AVOCA DUCK CLUB |
| 122.3 | NAT. GAS PIPELINE | | LOUISIANA INTRASTATE GAS CORP. |
| 122.3 | NAT. GAS PIPELINE | | LOUISIANA INTRASTATE GAS CORP. |
| 122.3 | OIL PIPELINE | | TEXACO E AND P INC. |
| 122.4 | CRUDE PIPELINE | | EQUILON PIPELINE CO. |
| 122.5 | AERIAL CROSSING | 159.1' | CENTRAL LOUISIANA ELECTRIC CO |
| 122.6 | NAT. GAS PIPELINE | | COLUMBIA GULF TRANSMISSION CO. |

| FACILITIES | | | |
|---------------|-----------------------------|------------|-------|
| DISPLAY NUMER | NAME | RIVER MILE | BANK |
| 1 | GARBER BROS. IN. DOCK | 120.1 | RIGHT |
| 2 | OCEANEERING INC. | | RIGHT |
| 3 | AMBAR INC. DOCK | | RIGHT |
| 4 | BAKER HUGES DOCK | | RIGHT |
| 5 | M.I. INC. DOCK | | RIGHT |
| 6 | L. AND L. OIL CO. INC. DOCK | | RIGHT |

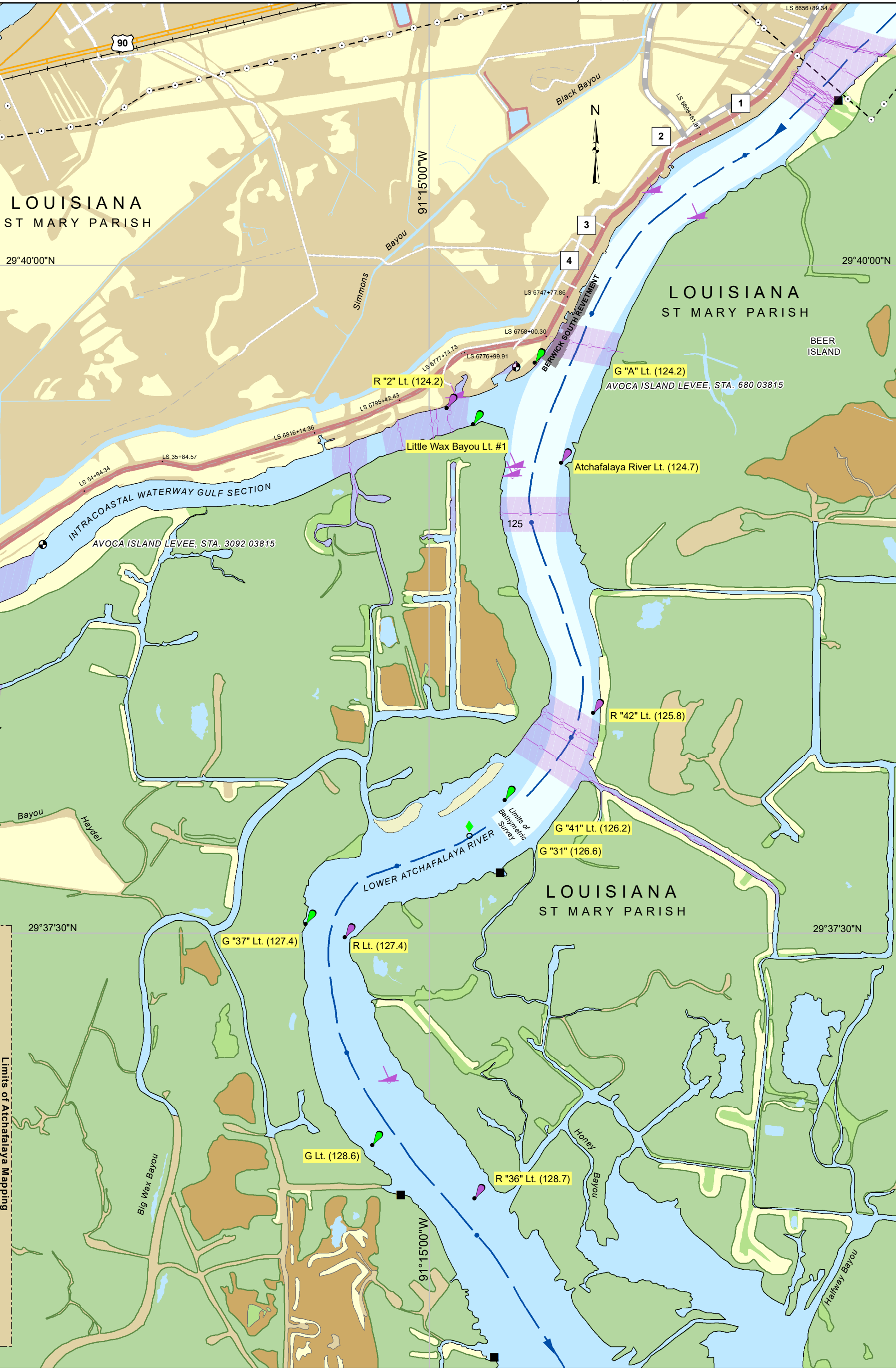


| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|--------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| | | | EQUILON PIPELINE CO. |
| | NAT. GAS PIPELINE | | ANR PIPELINE CO. |
| | NAT. GAS PIPELINE | | COLUMBIA GULF TRANSMISSION CO. |
| | | | TEXAS GAS TRANSMISSION CO. |
| | | | ATCHAFALAYA PIPELINE LLC |
| | | | TRUCKLINE GAS CO. |
| | OIL AND GAS PIPELINE | | PATTERSON ENERGY GROUP |

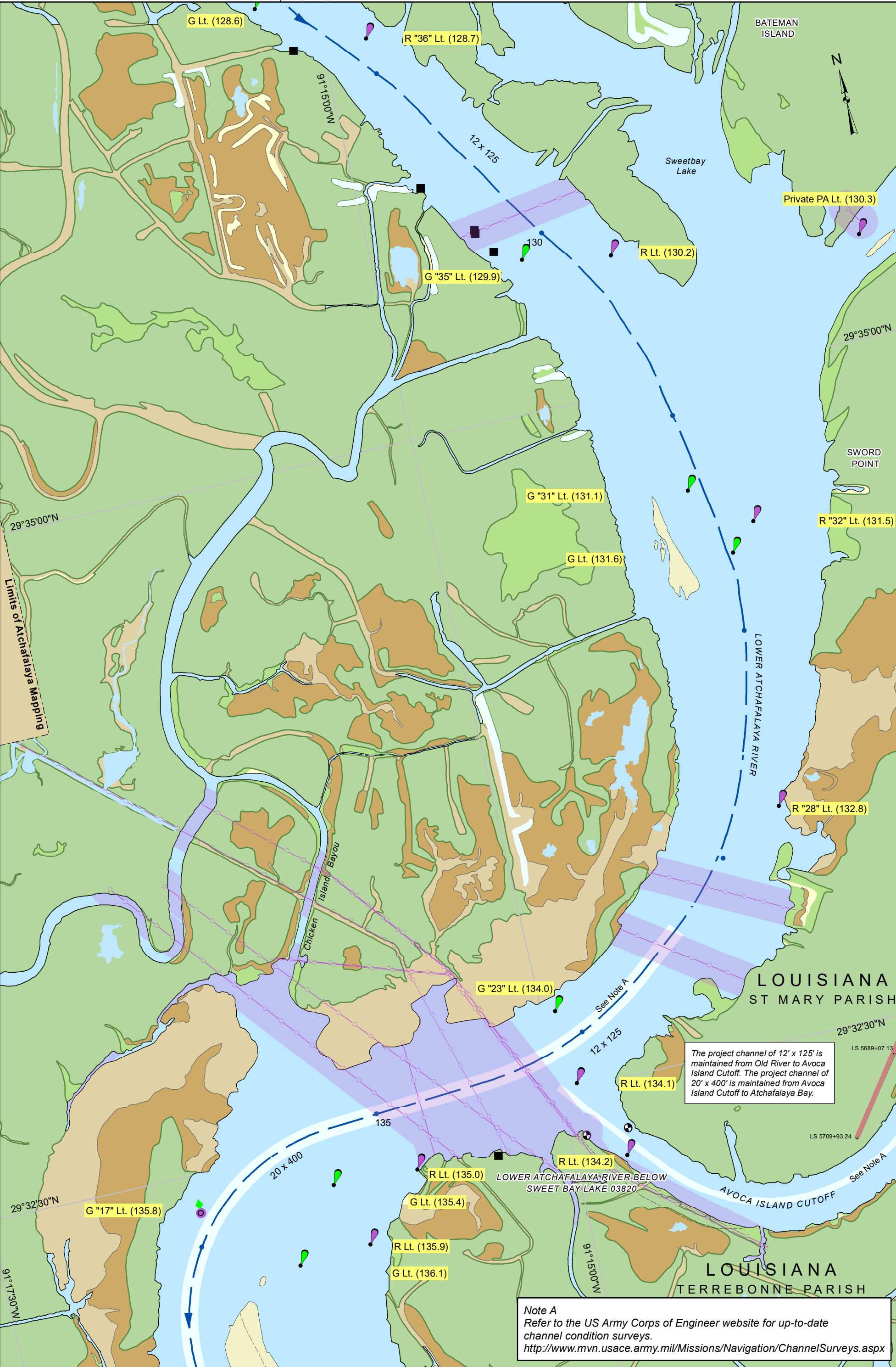


| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|---------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 122.3 | NAT. GAS PIPELINE | | LOUISIANA INTRASTATE GAS CORP. |
| 122.3 | OIL PIPELINE | | TEXACO E AND P INC. |
| 122.4 | CRUDE PIPELINE | | EQUILON PIPELINE CO. |
| 122.5 | AERIAL CROSSING | 159.1' | CENTRAL LOUISIANA ELECTRIC CO. |
| 122.6 | NAT. GAS PIPELINE | | COLUMBIA GULF TRANSMISSION CORP |
| 122.6 | GAS PIPELINE | | TEXAS GAS TRANSMISSION CORP. |
| 124.1 | LIQ. HYD. PIPELINE | | PROMIX L.L.C. |
| 124.9 | PIPELINE | | |
| 126.0 | GAS PIPELINES | | TEXACO E AND P INC. |
| 126.1 | GAS PIPELINE | | TEXACO E AND P INC. |

| FACILITIES | | | |
|---------------|--------------------------|------------|-------|
| DISPLAY NUMER | NAME | RIVER MILE | BANK |
| 1 | BASIN FLEETING INC. DOCK | 122.9 | RIGHT |
| 2 | BERRY BROS. DOCK | | RIGHT |
| 3 | TESORO MARINE DOCK | | RIGHT |
| 4 | SPIRIT ENTERPRISES DOCK | | RIGHT |

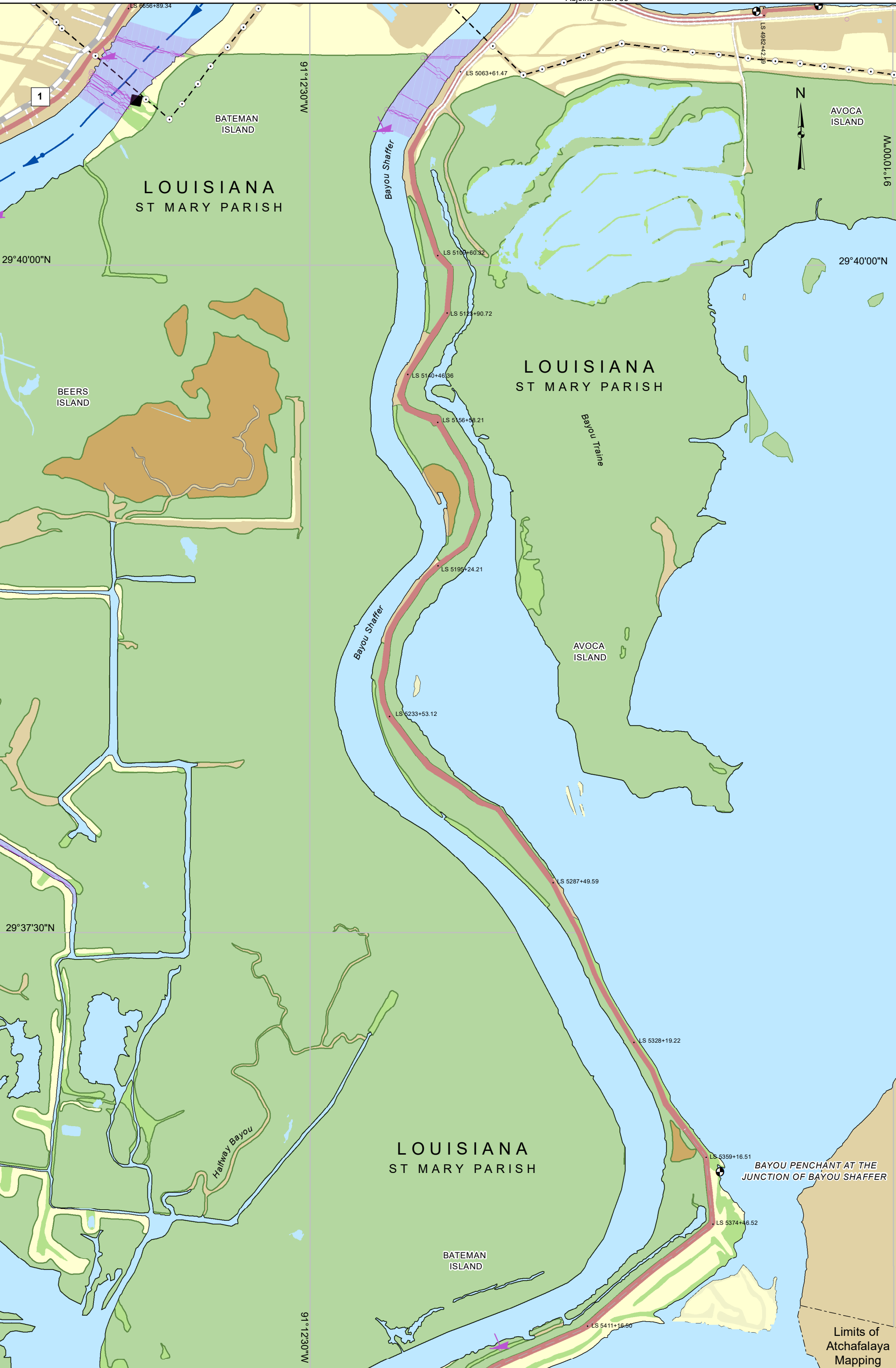


| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|--------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 129.9 | NAT. GAS PIPELINE | | TEXAS ENERGY AND ENVIRONMENTAL |
| 134.3 | NAT. GAS PIPELINE | | TENNESSEE GAS PIPELINE |
| 134.3 | GAS PIPELINE | | TENNESSEE GAS CO. |
| 134.6 | PIPELINE | | COLUMBIA GULF TRANSMISSION CO. |
| 134.8 | PIPELINE | | TEXACO GAS PIPELINE CO. |



| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|---------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 122.3 | NAT. GAS PIPELINE | | LOUISIANA INTRASTATE GAS CORP. |
| 122.3 | OIL PIPELINE | | TEXACO E AND P INC. |
| 122.4 | CRUDE PIPELINE | | EQUILON PIPELINE CO. |
| 122.5 | AERIAL CROSSING | 159.1' | CENTRAL LOUISIANA ELECTRIC CO. |
| 122.6 | NAT. GAS PIPELINE | | COLUMBIA GULF TRANSMISSION CORP |
| 122.6 | GAS PIPELINE | | TEXAS GAS TRANSMISSION CORP. |

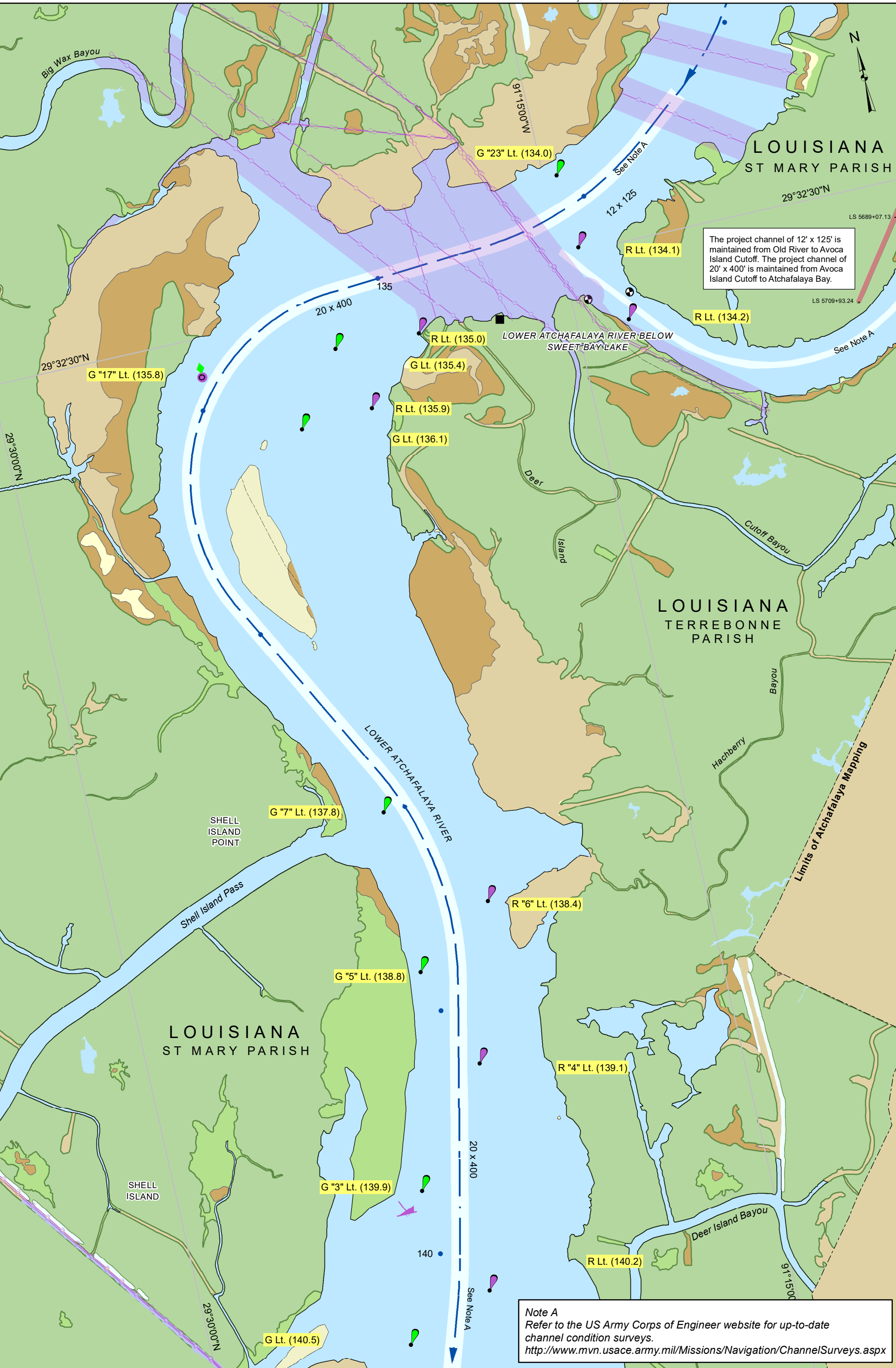
| FACILITIES | | | |
|---------------|--------------------------|------------|-------|
| DISPLAY NUMER | NAME | RIVER MILE | BANK |
| 1 | BASIN FLEETING INC. DOCK | 122.9 | RIGHT |



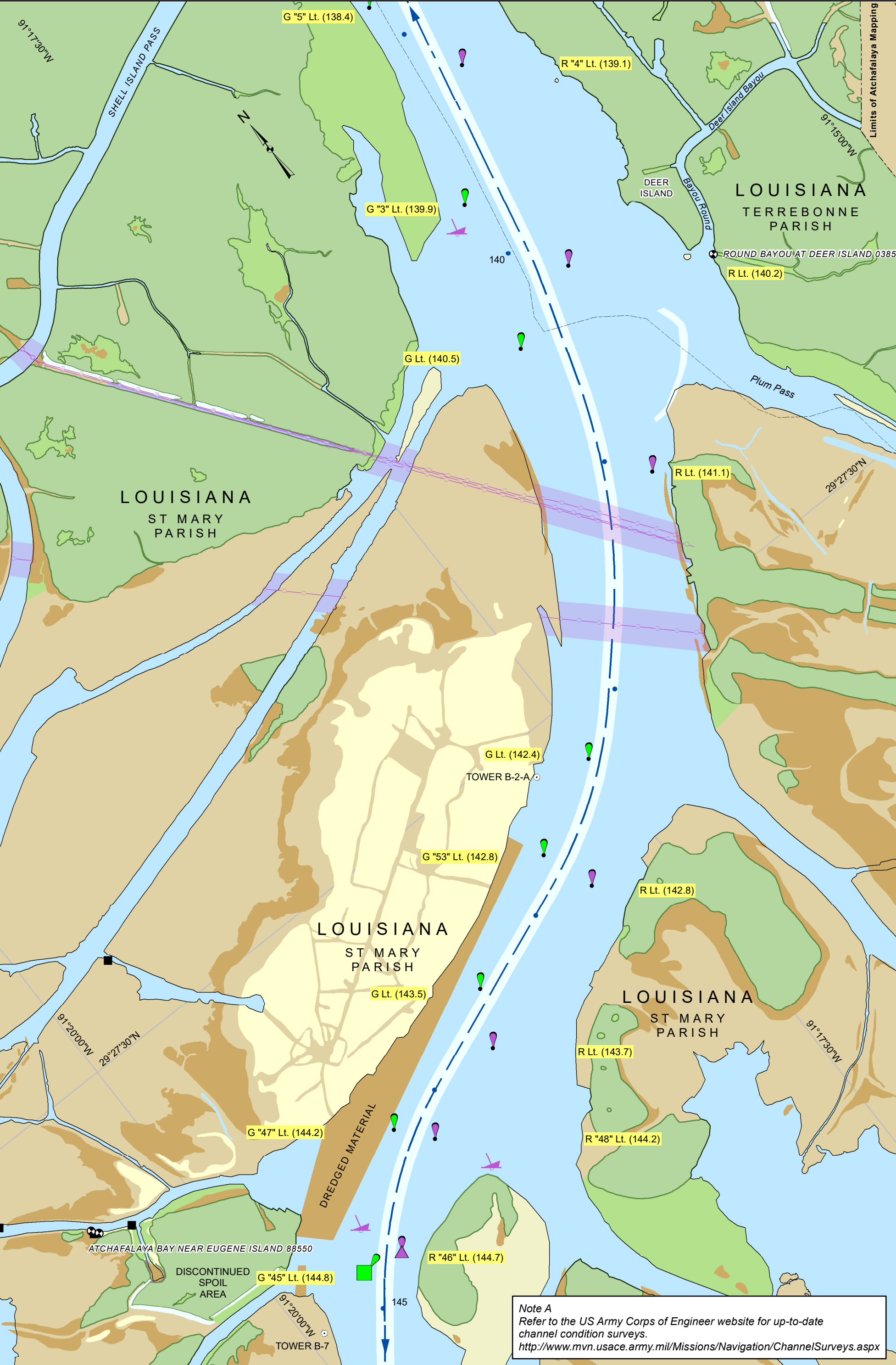


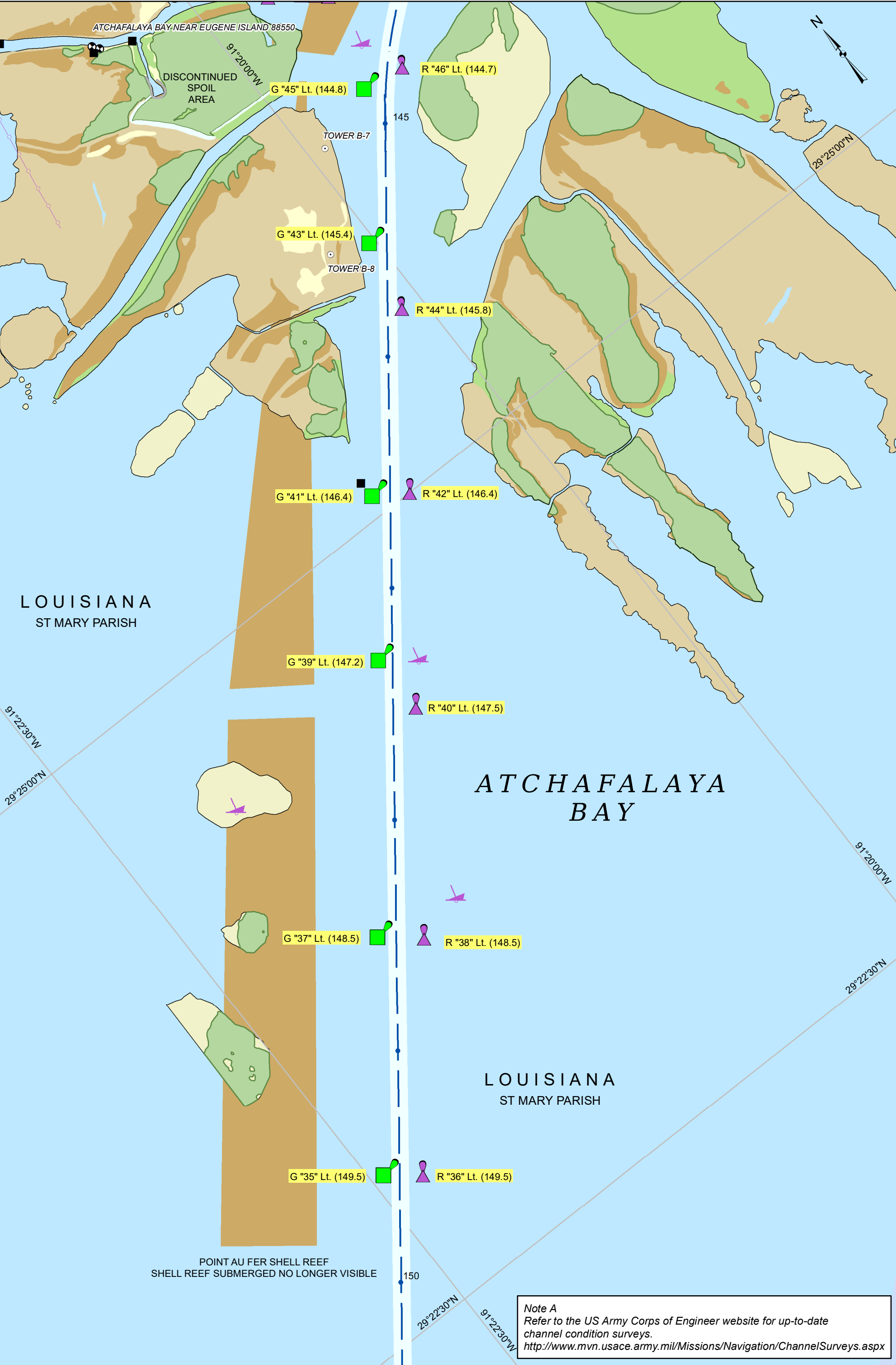
Note A
Refer to the US Army Corps of Engineer website for up-to-date channel condition surveys.
<http://www.mvn.usace.army.mil/Missions/Navigation/ChannelSurveys.aspx>

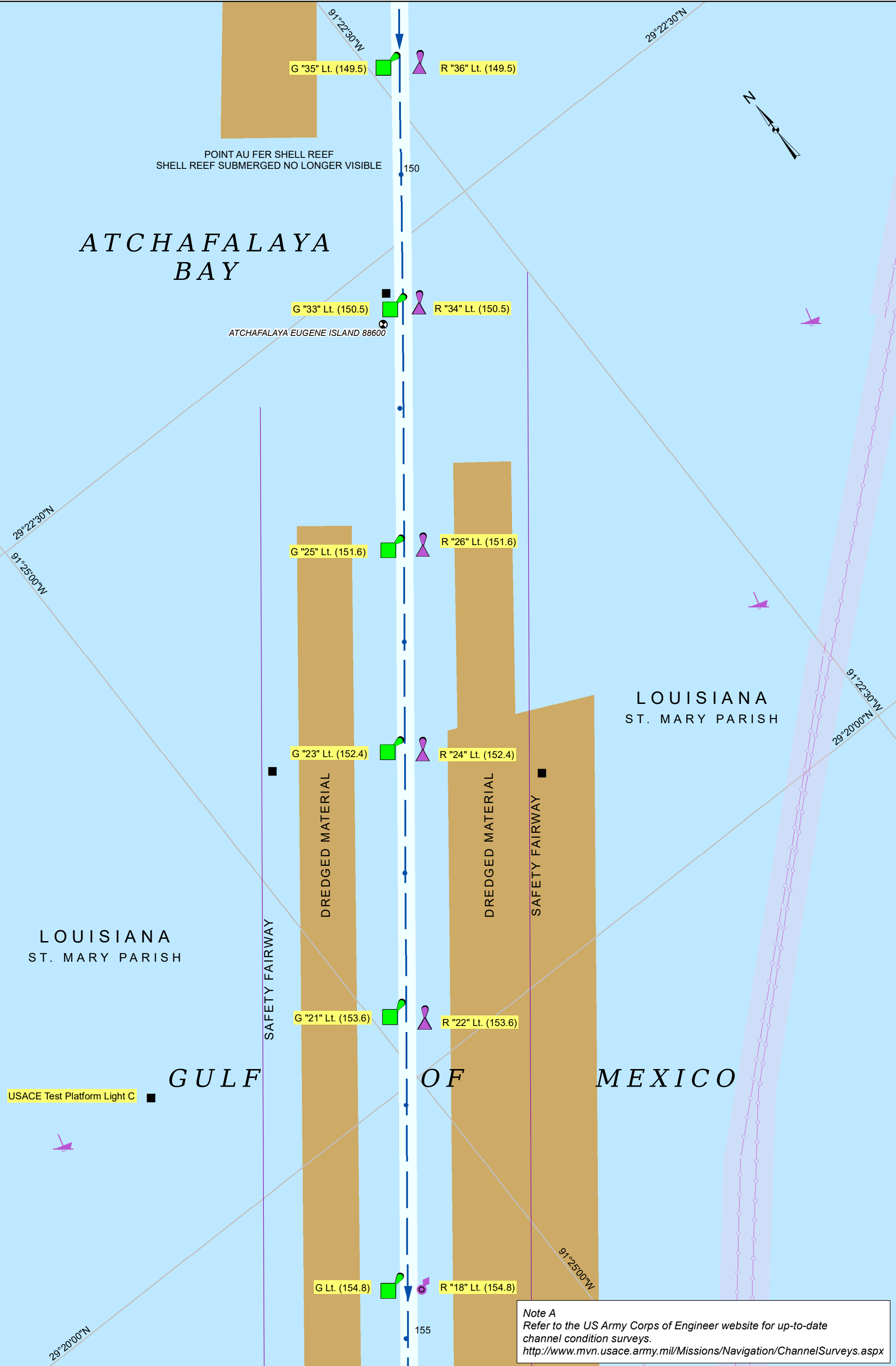
| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|--------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 38.5 | NAT. GAS PIPELINE | | TENNESSEE GAS PIPELINE |
| 40.3 | GAS PIPELINE | | GAS TRANS. CO. |
| 40.3 | PIPELINE | | COLUMBIA GULF TRANSMISSION CO. |
| 40.4 | PIPELINE | | TEXACO GAS PIPELINE CO. |



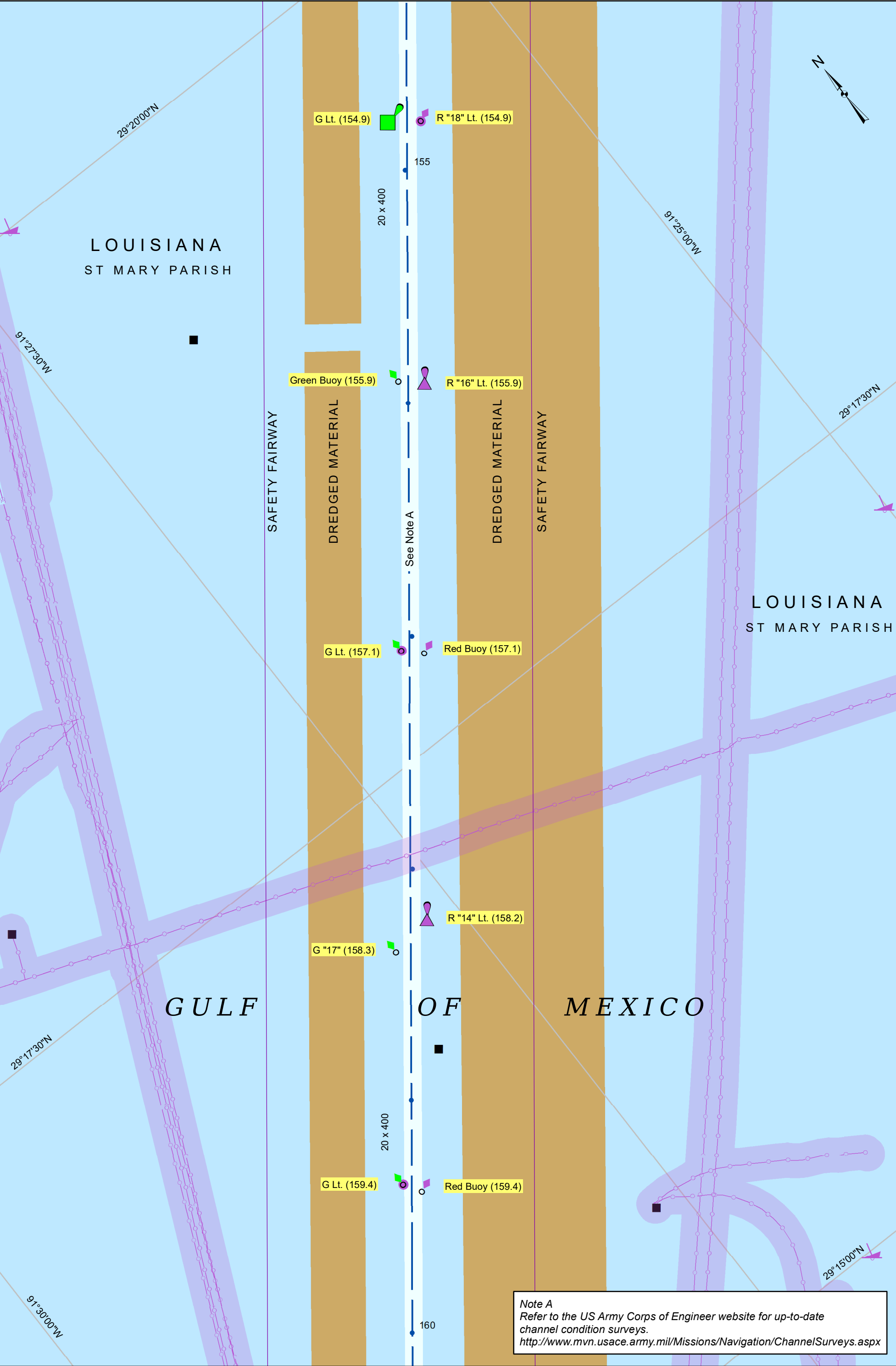
| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|-------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 141.2 | GAS PIPELINE | | TRUNKLINE GAS CO. |



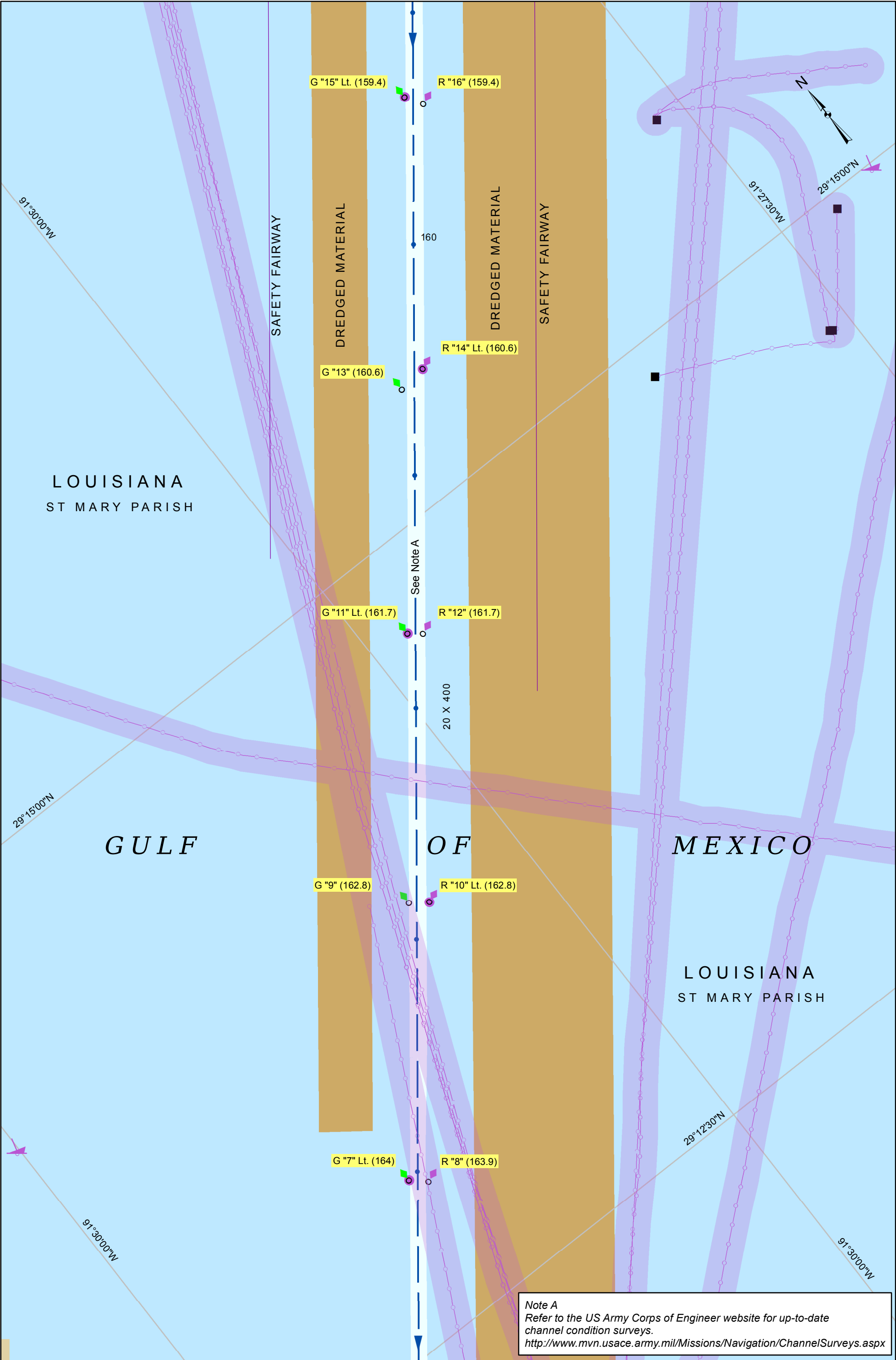




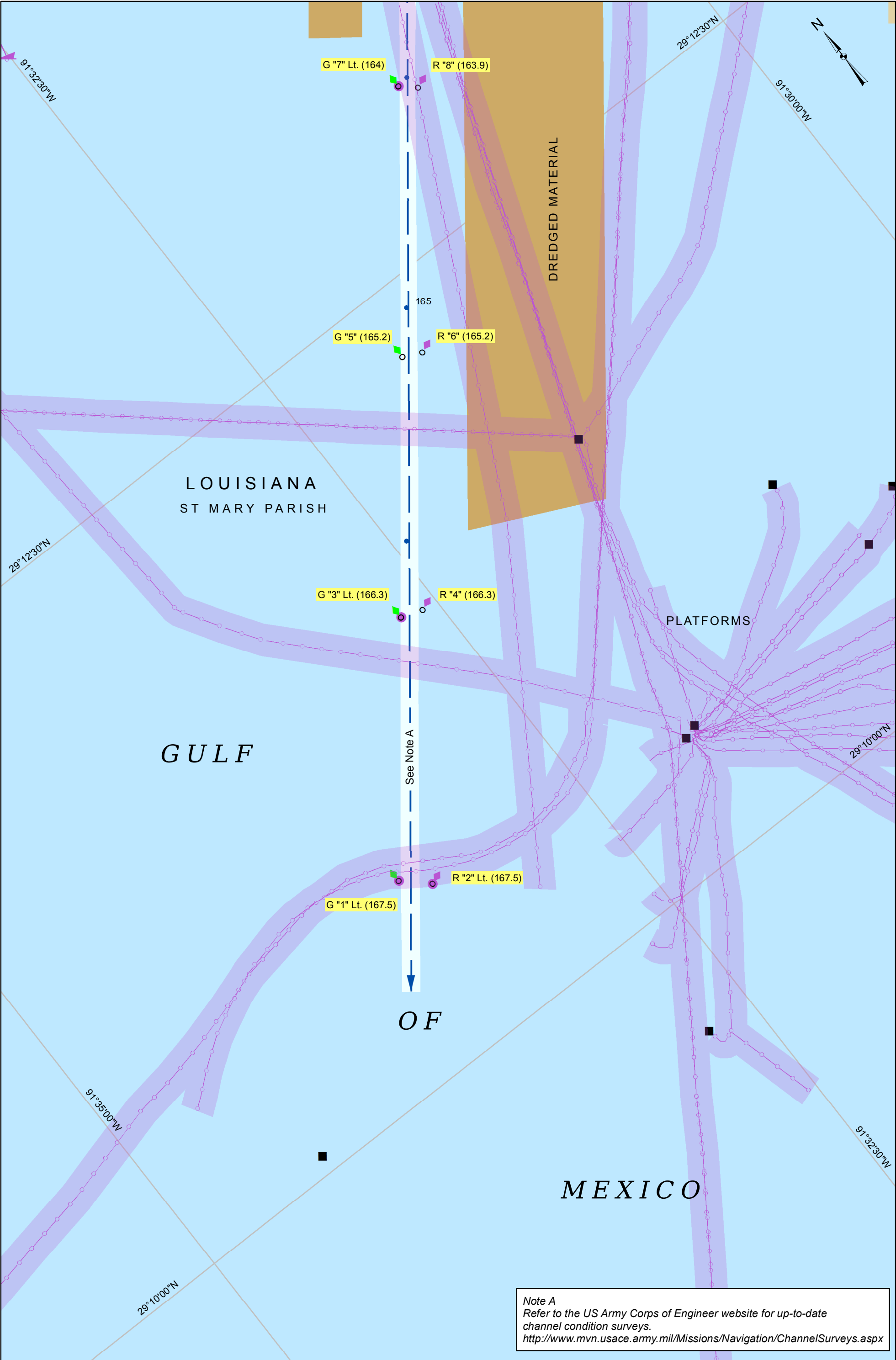
| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 157.9 | NAT. GAS PIPELINE | | GULF SOUTH |



| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|------------------------------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 162.3 | NAT. GAS PIPELINE | | ENBRIDGE |
| 163.1 | PIPELINE | | FLORIDA GAS TRANSMISSION CO. |
| 163.3 | NAT. GAS PIPELINE | | ANR |
| 163.7 | PIPELINE | | TEXAS EASTERN GAS TRANSMISSION CO. |



| UTILITY CROSSING | | | |
|------------------|----------------------|---------------------------|---------------|
| MILES | TYPE OF CONSTRUCTION | VERTICAL ELEV N.G.V.D. | OWNER |
| 163.7 | PIPELINE | | |
| 165.5 | NAT. GAS PIPELINE | | CONTANGO |
| 166.5 | SUBMERGED CABLE | | |
| 170.5 | NAT. GAS PIPELINE | | TRUNKLINE GAS |



INDEX TO REVETMENTS

| REVETMENT LOCATION | MILEAGE | MAP NO. |
|--|---------------|---------|
| ATCHAFALAYA RIVER | | |
| Mile 1.0 | 0.7-1.4L | 6 & 7 |
| Couville Bayou | 1.7-2.9R | 7 |
| Legonier | 3.2-5.0L | 7 |
| Simmesport | 4.5-6.8R | 7 & 8 |
| Kuhlman Bayou | 6.7-7.8R | 7 & 8 |
| Odenburg | 7.9-8.9R | 8 |
| Jacoby | 9.1-11.2L | 8 |
| Cason | 11.0-13.2R | 8 & 9 |
| McCrea | 13.1-14.5L | 9 |
| Woodside | 14.5-16.6R | 9 |
| Provosty | 16.9-18.5L | 9 |
| Crooked Bayou | 18.2-21.8R | 9 & 10 |
| Mercier | 21.3-23.8L | 10 |
| Barberton | 23.5-24.5R | 10 |
| Evans Point | 24.3-25.5L | 10 & 11 |
| Goudeau | 25.5-26.3R | 10 & 11 |
| Morris Bayou | 26.1-27.0L | 11 |
| Goodwood | 27.0-28.7R | 11 |
| Red Cross | 28.3-30.1L | 11 |
| Melville | 30.0-31.1R | 11 |
| Cross Bayou | 31.1-32.1L | 11 & 12 |
| Melville South | 32.1-34.4R | 12 |
| Toles | 34.2-35.6L | 12 |
| Petite Prairie | 35.4-36.9R | 12 |
| Holloway Lake | 36.7-38.1L | 12 & 13 |
| Three Mile Bayou | 37.8-39.0R | 12 & 13 |
| Bayou Sherman | 38.7-39.7L | 13 |
| Krotz Springs | 39.7-41.2R | 13 |
| Sherburne | 43.2-45.2L | 13 & 14 |
| Bayou Big Graw | 45.3-47.8R | 14 |
| Coswell Bayou | 48.3-49.6L | 14 |
| Courtableau | 49.6-50.8R | 14 & 15 |
| Alabama Bayou | 50.8-52.4L | 14 & 15 |
| Indian Bayou | 52.5-54.0R | 15 |
| Happy Town | 53.9-55.4L | 15 |
| Otis Landing | 55.3-56.3R | 15 & 16 |
| Morgan City Front | 119.3-120.0L | 35 |
| Berwick South | 123.9-124.3R | 38 |
| RED RIVER | | |
| Long Lake Revetment | 10.7-9.4R | 2 & 6 |
| Turnbull Island Revetment | 9.0-7.2L | 5 & 6 |
| Naples Revetment | 7.7-0.4R ATCH | 5 & 6 |
| OUTFLOW CHANNEL | | |
| Low Sill Outflow Channel | | 1 |
| Auxiliary Outflow Channel | | 1 |
| INFLOW CHANNEL | | |
| Low Sill Inflow Channel Left Descending Bank | | 1 |
| MISSISSIPPI RIVER | | |
| Coochie | 318.4-315.4R | 1 |
| Point Breeze | 314.4-311.6R | 1 & 3 |
| Fort Adams | 311.0-306.6L | 3 & 4 |
| Above Old River | 305.9-304.2R | 4 |
| Carr Point | 304.1-300.2R | 4 & 5 |

BARBRE LANDING TO ATCHAFALAYA BAY AT EUGENE ISLAND
GAGE INFORMATION

| GAGE LOCATION (ID) | RIVER MILE | GAGE ZERO NGVD | HIGHEST STAGE NGVD (THRU 1997) | LOWEST STAGE NGVD |
|--|------------|----------------|--------------------------------|-------------------|
| BARBRE LANDING, LA. | | 0.0 | 61.51 | 0.96 |
| SIMMESPORT, LA. (03045) | 4.5 | 0.0 | 59.13 | 0.70 |
| MELVILLE, LA. (03060) | 27.0 | 0.0 | 46.98 | 0.80 |
| KROTZ SPRINGS, LA. (03075) | 42.0 | 0.0 | 38.50 | 0.90 |
| WHISKEY BAY PILOT CHANNEL (03240) | | 0.0 | 30.00 | 0.48 |
| BLIND TENSAS CUT BELOW UPPER GRAND RIVER | 70.5 | 0.0 | 23.80 | 0.97 |
| CHICOT PASS AT WEST FORK CHICOT PASS (03465) | 85.4 | 0.0 | 20.70 | 1.73 |
| CHICOT PASS NEAR MYETTE POINT (03540) | 98.1 | 0.0 | 17.80 | -0.06 |
| SIXMILE LAKE NEAR VERDUNVILLE, LA. (03645) | | 0.0 | 15.22 | -2.23 |
| WAX LAKE OUTLET NEAR CALUMET, LA. (03720) | | 0.0 | 11.16 | -2.68 |
| LOWER ATCHAFALAYA RIVER AT MORGAN CITY (03780) | 117.7 | 0.0 | 10.53 | -5.44 |
| LOWER ATCHAFALAYA RIVER BELOW SWEET BAY LAKE (03820) | 134.3 | 0.0 | 8.05 | -1.55 |
| ATCHAFALAYA BAY NEAR EUGENE ISLAND | 144.4 | 0.0 | 6.70 | -2.04 |
| ATCHAFALAYA BAY AT EUGENE ISLAND (88600) | 150.6 | 0.0 | 6.81 | -3.86 |

TABULATION OF BRIDGE CROSSINGS

| MILEAGE | TYPE OF CONSTRUCTION | TYPE | CLEARANCE | | MAP NO. |
|---------|---|-------|----------------|----------|---------|
| | | | HORIZONTAL | VERTICAL | |
| | STATE HWY. NO. 15 BRIDGE | LIFT | 75' | 116.0' | 5A |
| 4.5 | SIMMESPORT K.C.S. (L. & A.) R.R. BRIDGE | FIXED | 131.9', 132.5' | 63.3' | 7A |
| 5.0 | SIMMESPORT LA. ST. HWY. NO. 1 BRIDGE | FIXED | 360' | 114.4' | 7A |
| 29.6 | MELVILLE UNION PACIFIC R.R. BRIDGE | LIFT | 160' | 49.9' | 11A |
| 41.0 | KROTZ SPRINGS U.S. HWY. NOS. 190 & 71 | FIXED | 475' | 90.7' | 13A |
| 41.0 | KROTZ SPRINGS U.S. HWY. NOS. 190 & 71 | FIXED | 475' | 107.5' | 13A |
| 41.5 | KROTZ SPRINGS UNION PACIFIC R.R. BRIDGE | SWING | 129.5', 130.4' | 44.8' | 13A |
| 59.8 | INTERSTATE HWY. I-10 BRIDGE | FIXED | 250' | 82.3' | 16A |
| 59.5 | INTERSTATE HWY. I-10 BRIDGE | FIXED | 125' | 49.3' | 18A |
| 121.0 | MORGAN CITY U.S. HWY. NO. 90 BRIDGE | FIXED | 583.7' | 57.3' | 35A |
| 121.1 | MORGAN CITY U.S. HWY. NO. 90 BRIDGE | FIXED | 520.0' | 85.0' | 35A |
| 121.3 | MORGAN CITY S.P. (T. &N.O.) R.R. BRIDGE | LIFT | 322.0' | 41.1' | 35A |

TABULATION OF BRIDGES AND CROSSINGS (cont.)

| TABULATION OF UTILITY CROSSINGS | | | | |
|--|---|--------------------------------|---|---------|
| BARBRE LANDING, LA. TO ATCHAFALAYA BAY | | | | |
| MILEAGE | TYPE OF CONSTRUCTION | VERTICAL ELEVATION N.G.V.D. | OWNER | MAP NO. |
| | 1-8" GAS PIPELINE 1-10" NAT. GAS PIPELINE | | GAS GATHERING CORP. SOUTHERN NAT. GAS CO. | 19 |
| 75.2 75.7 75.8 75.8 75.8 76.2 76.3 | 2-6" GAS PIPELINES 1 GAS PIPELINE 1-6" NAT. GAS PIPELINE 1-12" ETHYLENE PIPELINE 1-10" PROPYLENE PIPELINE 1-8" GAS PIPELINE 1-8" GAS PIPELINE | | EQUILON PIPELINE CO. LOUISIANA RESOURCES PIPELINE CO. SOUTHERN NAT. GAS CO. EQUILON PIPELINE CO. EQUILON PIPELINE CO. DOW PIPELINE CO. DOW PIPELINE CO. | 21 |
| 81.6 82.9 82.9 83.0 83.1 83.9 | 1-6" OIL PIPELINE 1 LPG PIPELINE 1-8" LIQ. GAS PIPELINE 1 GAS PIPELINE 2-8" NAT. GAS PIPELINES 1-8" GAS PIPELINE | | EXXON PIPELINE CO. DOW CHEMICAL CO. USA TRANS CANADA GAS PROCESSING DOW PIPELINE CO. ENTERPRISE PRODUCTS CO. FLORIDA GAS TRANSMISSION CO. | 22 |
| 91.2 | 1-12" GAS PIPELINE | | TEXAS GAS TRANS. CO. | 24 |
| 96.1 97.3 | 1-12" GAS PIPELINE 1-4" GAS PIPELINE | | TEXAS GAS TRANS. CORP. LOUISIANA INTRASTATE GAS CORP. | 25 |
| 101.8 102.4 102.5 102.6 102.6 102.6 | 1-8" LPG PIPELINE 1-36" NAT. GAS PIPELINE 1-20" GAS PIPELINE 1-8" ETHYLENE PIPELINE 1 LIQ. HYD. PIPELINE 1-7" GAS PIPELINE | | EXXON PIPELINE CO. LOUISIANA INTRASTATE GAS CO. ACADIAN GAS PIPELINE SYSTEM UNION CARBIDE PIPELINE INC. PROMIX L.L.C. UNITED GAS PIPELINE CO. | 26 |
| 107.1 107.9 108.2 108.7 108.8 108.9 108.9 109.0 | AERIAL CROSSING 1-20" GAS PIPELINE 1-30" NAT. GAS PIPELINE 1-8" OIL PIPELINE 1-12" NAT GAS PIPELINE 1-12" NAT GAS PIPELINE 1-6" NAT. GAS PIPELINE 1-12" GAS PIPELINE | 108.9' (MAIN CHANNEL) | CENTRAL LOUISIANA ELECTRIC CO. EXXON GAS TRANS. CO. KOCH GATEWAY PIPELINE CO. EXXON PIPELINE CO. SOUTHERN NAT. GAS CO. SOUTHERN NAT. GAS CO. SOUTHERN NAT. GAS CO. SOUTHERN NAT. GAS CO. | 27 |
| 83.0 83.1 83.9 | 1 GAS PIPELINE 2-8" NAT. GAS PIPELINES 1-8" GAS PIPELINE | | DOW PIPELINE CO. ENTERPRISE PRODUCTS CO. FLORIDA GAS TRANSMISSION CO. | 28 |
| | 1-12" GAS PIPELINE 1-8" LPG PIPELINE | | TEXAS GAS TRANS. CO. EXXON PIPELINE CO. | 29 |
| | 1-8" LPG PIPELINE | | EXXON PIPELINE CO. | 30 |
| | 1-20" GAS PIPELINE 1-8" ETHYLENE PIPELINE 1-8" ETHYLENE PIPELINE 1-7" GAS PIPELINE | | ACADIAN GAS PIPELINE SYSTEM UNION CARBIDE PIPELINE INC. UNION CARBIDE PIPELINE INC. UNITED GAS PIPELINE CO. | 31 |

TABULATION OF BRIDGES AND CROSSINGS (cont.)

| TABULATION OF UTILITY CROSSINGS | | | | |
|---|--|--------------------------------|--|---------|
| BARBRE LANDING, LA. TO ATCHAFALAYA BAY | | | | |
| MILEAGE | TYPE OF CONSTRUCTION | VERTICAL ELEVATION N.G.V.D. | OWNER | MAP NO. |
| | 1-12" GAS PIPELINE 1-20" GAS PIPELINE 1-30" NAT. GAS PIPELINE | | SOUTHERN NAT. GAS CO. EXXON CO. U.S.A. KOCH GATEWAY PIPELINE CO. | 32 |
| 108.7 108.8 108.9 108.9 109.0 | 1-8" OIL PIPELINE 1-12" NAT GAS PIPELINE 1-12" NAT GAS PIPELINE 1-6" NAT GAS PIPELINE 1-12" GAS PIPELINE | | EXXON PIPELINE CO. SOUTHERN NAT. GAS CO. SOUTHERN NAT. GAS CO. SOUTHERN NAT. GAS CO. SOUTHERN NAT. GAS CO. | 33 |
| 115.8 115.9 116.3 121.8 | 1 PIPELINE 1-16" GAS PIPELINE 1-30" GAS PIPELINE 2" WATERLINE | 124.1' | PROMIX L.L.C. CYPRESS GAS PIPELINE CO. BRIDGELINE GAS DISTRIBUTION CO. AVOCA DUCK CLUB | 34 |
| 122.3 122.3 122.3 122.4 122.5 122.6 122.6 | 1-8" NAT GAS PIPELINE 1-12" NAT GAS PIPELINE 1-8" OIL PIPELINE 1-22" CRUDE PIPELINE AERIAL CROSSING 1-16" NAT. GAS PIPELINE 2-16" GAS PIPELINES | 159.1' | LOUISIANA INTRASTATE GAS CORP. LOUISIANA INTRASTATE GAS CORP. TEXACO E AND P INC. EQUILON PIPELINE CO. CENTRAL LOUISIANA ELECTRIC CO. COLUMBIA GULF TRANSMISSION CO. TEXAS GAS TRANSMISSION CORP. | 35 |
| 122.3 122.3 122.3 122.4 122.5 122.6 122.6 124.1 124.9 126.0 126.1 | 1-8" NAT GAS PIPELINE 1-12" NAT GAS PIPELINE 1-8" OIL PIPELINE 1-22" CRUDE PIPELINE AERIAL CROSSING 1-16" NAT. GAS PIPELINE 2-16" GAS PIPELINES 1 LIQ. HYD. PIPELINE 1 PIPELINE 3 GAS PIPELINES 1 GAS PIPELINE | 159.1' | LOUISIANA INTRASTATE GAS CORP. LOUISIANA INTRASTATE GAS CORP. TEXACO E AND P INC. EQUILON PIPELINE CO. CENTRAL LOUISIANA ELECTRIC CO. COLUMBIA GULF TRANSMISSION CO. TEXAS GAS TRANSMISSION CORP. PROMIX L.L.C. TEXACO E AND P INC. TEXACO E AND P INC. | 38 |
| 129.9 134.3 134.3 134.6 134.8 | 1-6" NAT. GAS PIPELINE 2-24" NAT. GAS PIPELINES 1-10" GAS PIPELINE 1 PIPELINE 1 PIPELINE | | TEXAS ENERGY AND ENVIRONMENTAL TENNESSE GAS PIPELINE GAS TRANS. CO. COLUMBIA GULF TRANSMISSION CO. TEXACO GAS PIPELINE CO. | 39 |
| 122.3 122.3 122.3 122.4 122.5 122.6 122.6 | 1-8" NAT GAS PIPELINES 1-12" NAT GAS PIPELINE 1-8" OIL PIPELINE 1-22" CRUDE PIPELINE AERIAL CROSSING 1-16" NAT. GAS PIPELINE 2-16" GAS PIPELINES | 159.1' | LOUISIANA INTRASTATE GAS CORP. LOUISIANA INTRASTATE GAS CORP. TEXACO E AND P INC. EQUILON PIPELINE CO. CENTRAL LOUISIANA ELECTRIC CO. COLUMBIA GULF TRANSMISSION CO. TEXAS GAS TRANSMISSION CORP. | 40 |
| 134.3 134.3 134.6 134.8 | 2-24" NAT. GAS PIPELINE 1-10" GAS PIPELINE 1 PIPELINE 1 PIPELINE | | TENNESSEE GAS PIPELINE GAS TRANS. CO. COLUMBIA GULF TRANSMISSION CO. TEXACO GAS PIPELINE CO. | 42 |
| 141.2 | 1 GAS PIPELINE | | TRUNKLINE GAS CO. | 43 |
| 157.9 | 20" NAT. GAS PIPELINE | | GULF SOUTH | 46 |
| 162.3 163.1 163.3 163.3 163.7 | 30" NAT. GAS PIPELINE SUBMERGED PIPELINE 30" NAT. GAS PIPELINE 20" NAT. GAS PIPELINE SUBMERGED PIPELINE | | ENBRIDGE ANR ANR | 47 |
| 165.5 166.5 170.5 | 20" NAT. GAS PIPELINE SUBMERGED CABLE 22" NAT. GAS PIPELINE | | CONTANGO TRUNKLINE GAS | 48 |

MILEAGE BETWEEN POINTS ALONG THE ATCHAFALAYA RIVER

EXAMPLE: BERWICK LOCK TO MYETTE POINT, 19 MILES

[illegible]

TABLE OF DISTANCES

2016 Navigation Chart Folio

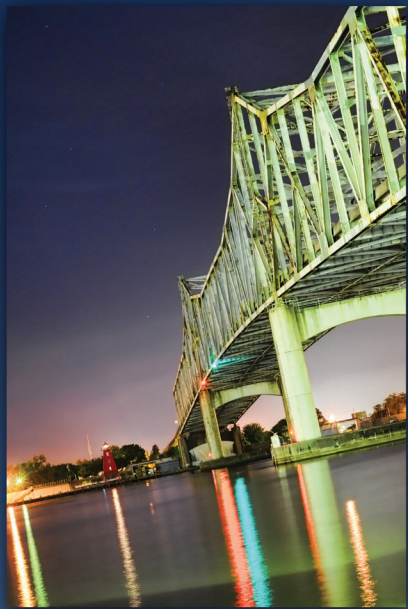
Atchafalaya River and Outlets to the Gulf of Mexico

The Atchafalaya River is located in central Louisiana. The 170 mile river is fed by the Mississippi and Red Rivers, which are connected via the Old River Lock. Navigation is therefore reduced by almost 172 miles for vessels sailing between the Mississippi above the Old River Lock and the Intracoastal Waterway in southern Louisiana saving time, money, energy and reducing river traffic congestion near the Port of New Orleans. In 2009, it was reported that 13,619,674 tons was transported on the Atchafalaya River*.

The Atchafalaya River is a natural outlet for the Atchafalaya River Basin and is the only area building new ground near the Gulf of Mexico. The U.S. Army Corps of Engineers (USACE) is responsible for providing data pertaining to navigation on and along the river. As part of a comprehensive mapping project, the USACE develops updated flood control and navigation maps as well as hydrographic survey maps for the Atchafalaya River.

*USACE Navigation Data Center-Waterborne Commerce Statistics Center,
<http://www.navigationdatacenter.us/wcsc/wcsc.htm>

About the Cover



The cover photography was captured by a local photographer named Eli Braud. The picture was taken in Morgan City, Louisiana (Chart No. 35) and it features the E.J. Lionel Grizzaffi Bridge (U.S. 90) and the Southwest Reef Lighthouse seen in the background.

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